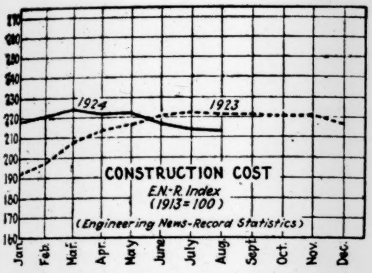
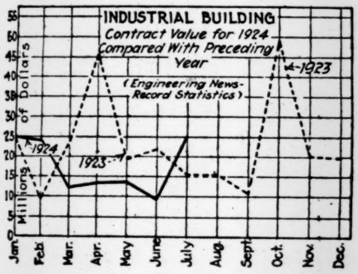
CONSTRUCTION NEWS
Engineering News-Record, August 14, 1924

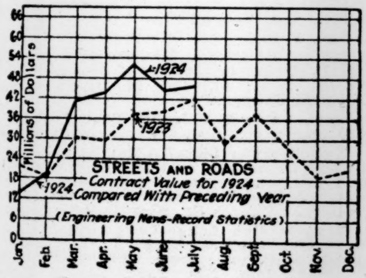
The Construction Barometer

Increased Lettings for Large Commercial Buildings Mark First Week in August—July Volume Heavier Than Year Ago

THE substantial increase in volume of July construction follows a downward trend in cost as shown by the accompanying graphs of the *Engineering News-Record* Construction Cost and Volume Index Numbers. Among the most conspicuous gains in contract letting during July, were awards for bridges, industrial and commercial buildings, streets and roads. August started off with gains during the first week, in large commercial building contracts; other classes of construction, however, showed no improvement over the last week in July. More active inquiries for steel, copper and other metals related to construction, heavier cement shipments; increase in lumber orders; a smaller drop in unfilled steel tonnage than was expected and trade reports from allied industries, all point to a continuation of the present activity in building.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
July 24	$31,925,000	$16,069,000	$47,994,000
July 31	32,273,000	21,712,000	53,985,000
Aug. 7	17,396,000	21,618,000	39,014,000
3 weeks	$81,594,000	$59,399,000	$140,993,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

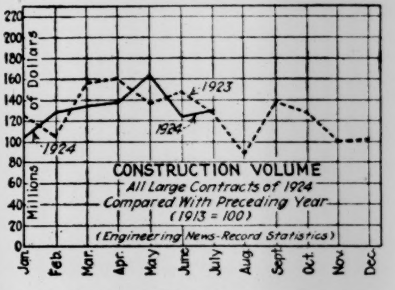
Week Ended	No.	Public Work	No.	Private Work
July 24	11	$7,569,000	28	$8,170,000
July 31	16	4,035,000	44	11,314,000
Aug. 7	12	$4,672,000	37	18,026,000
3 weeks	39	$16,276,000	109	$37,510,000

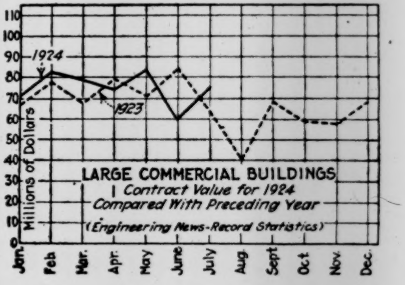
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

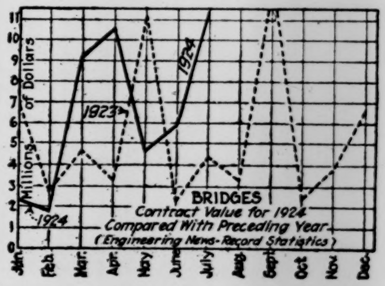
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
July 24	26	30	75	46	195
July 31	28	41	85	52	226
Aug. 7	25	35	74	38	204

FIR TIMBERS DECLINE DURING WEEK

	Quoted on Aug. 14 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.15	$1.95 @2.15	July 24
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	57.00	54.00	July 10
Fir, San Fran., M.ft.	31.00	32.00	Aug. 7
Common labor, hr.	.56	.55	Apr. 24







Waterworks

PROPOSED WORK

N. H., Keene—Making preliminary plans for filtration plant on main from Stone Dam, filtration plant on main Quarry Hill, also reservoir on Beech Hill. Weston & Sampson, 14 Beacon St., Boston, Mass., engrs.

Conn., Hartford—Plans modern filtration system. $200,000. R. N. Clark, city engr.

Mo., Potosi—Plans new election this Fall, $50,000 bonds waterworks and sewers.

Miss., Brookhaven — See "Industrial Works."

O., Cleveland—Cleveland Water Dept., rejected bids chemical house and mixing chambers, for Baldwin-Fairmount Project, Part 1, Constr. 54. Noted July 31.

Mich., Lincoln Park—Making plans 10 mi. 6 and 8 in. c.i. mains. $150,000 bonds voted. R. A. Murdoch, 603 Free Press Bldg., Detroit, engrs.

Neb., Dubois—Plans election within 60 days to vote on bonds waterworks and distribution system. Hennington Eng. Co., 12th and Harney Sts., Omaha, engrs.

Mo., Knobnoster—Election Aug. 12, $40,000 bonds waterworks, elevated tank on tower, and 4, 6 and 8 in. distribution mains, etc. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs. Noted July 3.

Mo., Lee Summit—Making plans general water improvements and sanitary sewers. To exceed $15,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Tex., Crawford—Election Aug. 18, $25,000 bonds waterworks improvements. F. N. Broach, mayor. Noted June 26.

Tex., Galveston—Voted $100,000 bonds reservoir at 51st and 52nd Sts., Aves. H and L. C. A. Holt, Jr., city engr.

Tex., Galveston — Galveston Co. voted $100,000 bonds concrete reservoir on block bounded by Ave. H, 51st, 52nd and L Sts. C. A. Holt, city engr. Noted June 12.

Tex., O'Donnell—Plans extending mains. $20,000. M. J. Sanderson, mayor.

Tex., Putnam—Election soon about $35,000 bonds waterworks plant improvements, new pumping equipment, larger power house and additional mains. B. Clinton, Y. A. Orr, and J. H. Cunningham, city comrs. Engineer not selected.

Okla., Bethany—Plans new waterworks, incl. 15,000 ft. 2- to 6-in. c.i. pipe, well, pump, mains, tank, tower, valves and hydrants. $40,000. McIntosh Co., 1st Natl. Bank Bldg., Oklahoma City, engrs.

Okla., Hollis—Making plans new waterworks, incl. 40,000 ft. 8 in. rein.-con. pipe, dam, and 12 mi. gravity flow line. $100,000. Gant Baker Co., 116 West Main St., Oklahoma City, engrs.

Calif., Alameda—State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 33,870 ft. 6- to 20-in. mains, here. $149,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Waterworks (Continued)

Calif., Berkeley—State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 148,835 ft. 6- to 20-in. mains, here. $471,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., Burbank — See "Streets and Roads."

Calif., El Centro—Making plans pumping plant, two 900 gal. and two 1,800 gal. electric driven pumps, underground filtered water reservoir, 250,000 gal. elevated water tank, filtered washing machine, extending mains and hydrants. To exceed $100,000. Cone & Harris, 606 South Hill St., Los Angeles, consult. engr.

Calif., Emeryville—State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 4,620 ft. 6- to 20-in. mains, here. $15,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., Fullerton—See "Unclassified."

Calif., Glendale — See "Streets and Roads."

Calif., Montecito—Montecito Co. Water Dist., Valley Rd., made plans rein.-con. reservoir, 1,102 cu.yd. rock and 3,305 cu.yd. earth excav., 4,900 sq.ft. wire mesh, 600 cu.yd. crushed rock, 300 bbls. sand, 1,050 bbls. cement, 210 tons hauling materials, 700 cu.yd. place concrete, 20,680 ft. form and 11,366 ft. roof lumber. Leeds & Barnard, Central Bldg., Los Angeles, engr.

Calif., Oakland—State Railroad Comn. authorized East Bay Water Co., 512 16 St., Oakland, to install 190,785 ft. 6- to 20-in. mains, here. $690,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., Piedmont—State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 15,165 ft. 6- to 20-in. mains, here. $39,000. Work probably to be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., Pittsburg—Plans election to vote on $16,000 bonds, $15,000 for extending mains into Creed sub-division, and $1,000 to purchase meters.

Calif., Richmond—State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 84,350 ft. 6- to 20-in. mains, here. $303,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., San Leandro — State Railroad Comn. authorized East Bay Water Co., 512 16th St., Oakland, to install 19,340 ft. 6- to 20-in. mains, here. $52,000. Work will probably be done by Water Co. forces. G. H. Wilhelm, ch. engr.

Calif., San Rafael — Marin Municipal Water Dist., plans election to vote on bonds between $500,000 and $1,000,000 for distributing mains.

Calif., Santa Ana—Making estimates 50 m.g. reservoir to accomodate 100,000 population. W. Wray, city water supt.

Ont., Forest—Making plans new waterworks system, incl. 15,000 ft. c.i. mains, electric pumps, reservoir, pumphouse, etc. $100,000. J. Bell & Son, Court House, St. Thomas, engrs. Noted July 17.

Ont., Scarboro — Scarboro Twp. plans 30,000 ft. c.i. mains, in Area 4. $150,000. C. E. Fraser, Stop 1, Kingston Rd., Toronto, engr.

BIDS DESIRED

Mass., Boston—Aug. 19, by Dept. Supplys, City Hall, 750 five-part concrete meter boxes to Water Serv. Pub. Wks. Dept. F. P. Rock, supt.

Conn., New Britain—Aug. 19, by Park Dept. grading pond, building dam and spillway. To exceed $25,000. J. D. Williams, city engr.

N. Y., Attica—Aug. 28, by Bd. Village Trustees, improving waterworks, incl. storage reservoir, pumphouse, mains, etc. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. E. N.-R. Aug. 14.

N. Y., Long Island City—Aug. 18, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., automatic electric pumping station, at intersection of Beach Channel Dr. and Hammels Blvd.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Aug. 5, mains in Central Park West, from N. Peduto, 342 East 113th St., $143,700. Noted July 31.

N. Y., St. George—Aug. 15, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Armstrong, Buchanan, Burke and Carlton Sts.

N. Y., St. Johnsville—Sept. 4, water supply pipe line. J. P. Wells, Cutler Bldg., Rochester, consult. engr.; adv. E. N.-R. Aug. 14.

N. J., National Park—Aug. 26, by Mayor and Boro. Council, laying mains, Contr. 1. Also furnishing c.i. pipe and fittings, etc. J. O. Carter, Woodbury, boro. engr. Remington & Vosbury, 509 Cooper St., Camden, consult, engrs.; adv. E. N.-R. Aug. 14.

Md., Baltimore—Aug. 20, by Bd. of Awards furnishing 200,000 lb. pig lead. V. Bernard Siems, City Hall, engr.

Miss., Natches—Aug. 19, by Bd. Water Comrs., C. T. Brasfield, chn., waterworks plant incl. c.i. mains, valves and specialties, oil burning equipment, fuel tanks, etc. H. A. Mentz, Magnolia, engr.

O., Cleveland—Aug. 20, mains in East Blvd., Grand Division Ave. S. E., Milverton Ave. S. E., East 108th, East 171st, West 150th and West 59th Sts., Berea Rd. N. W., Desmond Ave. N. W., Homeway Rd. S. W., Westlawn Ave. S. W., West 150th and 59th Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Idlewood (Cleveland P. O.)—**Taking** bids mains in six streets. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Centralia—Sept. 4, by J. Maxfield, city clk., filtration plant. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Aug. 14.

Wis., Blanchardville — Aug. 26, by S. Meyer, village clk., drilling artesian well, 10 in. diameter to 80 ft. below surface, 8 in. from 80 ft. to 250 ft. below that. To exceed $15,000. A. H. Martin, Prairie du Chien, engr.

Wis., Eau Claire—Taking bids 3 m.g. rein.-con. reservoir with auxiliary pipe line. $165,000. L. P. Wolff, Guardian Life Bldg., St. Paul, Minn., engr. Noted June 19.

Minn., Pelican Rapids—Aug. 25, by J. R. Quamme, recorder, waterworks and distribution systems, incl. c.i. mains, valves, specials, hydrants, wells and steel tower on tank. $25,000. Driar & Milinowski, 500 Globe Bldg., St. Paul, engr.

N. D. Carrington—Aug. 29, by C. C. Carnahan, city clk., open well 25 ft. diam., 30 to 40 ft. deep, or drill four 8 in. tubular wells inside present open well about 72 ft. below top concrete curb. $15,000 bonds voted. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr. Noted May 29.

Okla., Stillwater—Aug. 22, by G. E. Matkins, city clk., impounding reservoir, dam, intake, spillway and gravity flow line, 11,000 ft. 14 in. rein.-con., pipe, etc. $200,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colo., Denver—Aug. 25, by Bd. Water Comrs., 1509 Cleveland Pl., 4 to 60 in. gate valves for water works. $108,000. B. Lowther, 1509 Cleveland, Pl., engr.

Tex., Beaumont—Taking bids filtration plant, 4 m.g. settling basin, and four 1 m.g. filtering tanks. $125,000. Burns & McDonnell, Interstate **Bldg., Kansas City,** Mo., engrs.

CONTRACTS AWARDED

Mass., Everett (Boston, P. O.) — For 25,000 ft. 6 in., 100 ft. 8 in., and 1,600 ft. 12 in. c.i. pipe, to Donaldson Iron Co., 24 Milk St., Boston, $60.50 per ton.

Fla., St. Petersburg—For 34,000 ft. 6 and 8 in. c.i. pipe lined with cement for mains, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala. $35,148.

O., Cleveland—Cleveland Water Dept., filter equipment, in Baldwin-Fairmount Project, Part 2, Contr. 54 to M. L. Bayard & Co., 20th St. and Indiana Ave., Phila., Pa., $253,940. Noted July 31.

O., Cleveland—Amer. Steel & Wire Co., 8101 Bway., 2 story, 37 x 109 ft. concrete plant with 3 steel tanks, 100,000 gal. per min. capacity, for water softener system, to W. B. Scarfe & Sons Co., Oakmont, Pa. Engrs. est. $50,000. Noted Jan. 31.

Mich., Detroit—Bd. City Water Comrs. will lay 7,257 ft. 6 in. c.i. mains in Nashville, Kenmoor, Burt and Welland Aves., 2,730 ft. 8 in. mains in Engleside and Kennebec Aves., 5,836 ft. 12 in. mains in Monnier Rd., by day labor. G. H. Fenkell, 176 East Jefferson Ave., mgr.

Mich., Royal Oak—Laying 63,000 ft. 6, 8 and 12 in. c.i. mains in various streets, to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., Detroit, $25,000.

Wis., West Allis—Bd. Pub. Wks., 8,527 lin. ft. 6 in. c.i. mains in various streets, to J. B. Fonestal Co., 215 15th St., at $2.57 per ft.

Minn., Minneapolis—To Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., 51,884 lin.ft. 6 in. c.i. pipe, at $0.95 per ft., 2,828 ft. 8 in. at $1.385, 5,970 ft. 12 in. at $2.19 and 684 ft. 16 in. at $3.84.

S. D., Virgil—Mains in about 12 blocks various streets, 35,000 gal. rein.-con. reservoir, 30,000 gal. elevated steel tank on tower, frame pumping station, one centrifugal pump, to Ellerman & McLain, Yankton; standpipe, to Pittsburgh-Des Moines Steel Co., 10th and Tuttle Sts., Des Moines, Ia. Noted Apr. 24.

Mo., Gallatin—Steel tank on tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $7,650.

Tex., Austin—Worthington motor driven pumps, to W. Tipps & Co., 7th and Congress Sts., $15,425.

Tex., Dallas—Artesian well and pumps, etc., in Forest Park and Oak Cliff, to B. J. Harper, 909 Marsalis Ave., $32,200.

Tex., Dallas—W. F. Pearson, 1901 Main St., main extensions and sewers in Country Club Estates, to R. J. Estep, Wilson Bldg., $30,000.

Tex., Dallas—H. W. Brouse, Magnolia Bldg., steel tank and tower, to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., $15,000.

Tex., Denison—For 1 m.g. stand pipe, to Chicago Bridge & Iron Co., Praetorian Bldg., Dallas, $20,900.

Tex., Malone—Complete waterworks system, c.i. mains, tower, tank and pumping plant, to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, $16,510. Noted July 10.

Tex., Temple—City will build 6 in. main extensions, by day labor. $16,000. G. E. Byers, 617 North 4th St., Waco, city engr.

Que., Farnham—New filtration plant, to Archambault & Leclair, 71A St. James St., Montreal. Engrs. est $100,000. Noted May 8.

Sewers

PROPOSED WORK

Mass., Springfield — Plans sewers and pumping station in Entry Dingle Heights Dist. $55,000. R. P. Marsh, city engr.

Conn., New London—Plans laying sewers in Norwood St. $25,000. G. W. Watters, city engr.

N. Y., Amherst—Plans new sewerage system. $1,500,000.

Wis., Madison — Wisconsin Memorial Hospital Assn. making plans sewage disposal plant, either activated sludge or sprinkling type, at state hospital. W. G. Kerchoffer, Dean Bldg., engr.

Mo., Kansas City — Voted $8,500,000 bonds, $3,000,000 for Blue Valley sewer, $2,500,000 for Gooseneck sewer and $3,000,000 refund to taxpayers for Turkey Creek sewer. R. W. Waddell, city engr.

Neb., Hastings—City, c/o A. T. Bratton, plans extending sewers in 9th St., 4½ mi. $30,000. P. T. Naylor, Hastings, engr.

Mo., Lees Summit—See "Waterworks."

Mo., Potosi—See "Waterworks."

Mo., West Plains—Election soon to vote on $75,000 bonds sewers and disposal plant. Russel & Axon, 412 McDaniels Bldg., Springfield, engrs.

Tex., Caldwell—Election Sept. 9th, $45,000 bonds, complete sewerage system.

Tex., Corpus Christi—Making plans extending sewerage system, mains, laterals and larger mains to replace those now in use. $260,000 bonds voted. Alexander Potter, 50 Church St., New York City, engr.

Tex., Medina Lake—Lake Medina Lodge & Fishing Club, making plans septic disposal sanitation system. $30,000. G. and C. Hagelstein, Nix Bldg., San Antonio, engr.

Calif., Compton—Plans election to vote on approximately $40,000 bonds for sewage disposal plant.

Calif., Glendale—See "Streets and Roads."

Calif., Laguna Beach—Laguna Sanitary Dist. making plans complete sewerage system, disposal plant, 6- to 12-in. pipe, pumping plant, etc. To exceed $70,000. Black & Veatch, Fay Bldg., Los Angeles, engr.

Calif., Los Angeles—Made plans storm sewers in Mesa St. between 3rd and O'Farrell Sts., 9,969 ft. 4½ to 5½ ft. cut concrete pipe, 2,852 ft. 12- to 27-in. rein.-con. and cement pipe, etc. W. L. Knowlton, city sewer engr.

Calif., Reedley—Voted $130,000 bonds extending and additions to sewerage system. J. S. Bates, Rowell Bldg., Fresno, engr.

Calif., San Francisco—City and San Francisco Co. had plans prepared rein.-con. sewer in Great Highway between Ortega and Rivera Sts. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Sewers (Continued)

Calif., Santa Barbara — See "Unclassified."

Calif., Verona — Made plans sanitary sewerage system, 20,000 ft. 6-in. to 12-in. cement or vitr. pipe, 3,000 ft. drain tile, 4 tons reinforcing, 2 alternating syphons. $65,000. G. G. Hall, city engr.

Ont., Toronto—East York Twp. plans 11,000 ft. vitr. tile sanitary sewers in McLean Blvd., Floyd, Sammon, Woodycrest, North Dewhurst, Donlands, Mortimer and Westwood Aves. $35,000. G. R. Jack, Sammon Ave., engr.

BIDS DESIRED

N. Y., St. George—Aug. 18, by J. A. Lynch, pres. Richmond Boro., Boro Hall, sewers in Elm St., Roosevelt and Jackson Aves.

Pa., Winton—Aug. 18, by Boro Council, sanitary sewer known as Sect. 10, Part B of sanitary sewerage system. J. H. McGurl, boro secy.

O., Cleveland—Aug. 21, sewer in outlet Beachwood Ave. S. E.; sewers in Chatfield Ave. S. W., Clair Ave. N. W., Marquis Ave. N. W., West 35th, 56th and 58th Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

Ind., Princeton—Aug. 25, for 4.9 mi. 8- to 12-in. vitr. clay sanitary sewers. E. E. Watts, Farmers Natl. Bank, Bldg., consult. engr.; adv. E. N.-R. Aug. 14. Noted Aug. 7.

Ill., Rochelle—Aug. 16, by City Council, 2 compartment settling tank, sprinkling filter, dosing apparatus and pumps. $35,000. Randolph Perkins Co., 38 South Dearborn St., Chicago, engrs. Noted July 24.

Ill., Rockford—See "Streets and Roads."

Wis., Barron—Aug. 21, by M. H. McKee, city clk., 30,430 lin.ft. sanitary sewers, manholes, outfall sewer in various streets, and sewage treatment plant, etc. Toltz, King & Day, 1410 Pioneer Blvd., St. Paul, Minn., engrs.

Wis., Bloomington—W. G. Kirchoffer, engr., Dean Bldg., Madison, taking bids aeration equipment for disposal plant incl. air compressor, 2 hp. 3 phase motor and wrought iron piping, here, for city.

Wis., Milwaukee—Aug. 19, by Dept. Pub. Wks. 7,110 lin.ft. 12- to 24-in. storm sewers in various streets. $25,000. J. Schwada, city engr.

Wis., Platteville—Aug. 21, by J. Stephenson, city secy., extending sewers in Mineral, North, Ann, Bridge, East Main, and Ellson Sts., 8,390 ft. 6 and in. vitr., and 350 ft. 8 in. c.i. pipe, etc. To exceed $25,000.

Minn., Pelican Rapids—Aug. 25, by J. R. Quamme, city clk., 8, 10 and 12 in. vitr. tile sewers. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engr.

Tex., Houston—Taking bids storm sewer in Edwards St. from Houston to Johnson Sts. $25,000 J. C. McVea, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connelly, pres. Queens Boro., Queens Subway Bldg., Aug. 4, from Kennedy & Smith, Inc., 93 Amity St., Flushing, sewers in Hunt St. $5,328, Penrod St. $2,074, Bowne Ave. $4,278, and Locke Ave. $6,769; from J. Gallo, 203 Division St., Brooklyn, in Market St. $2,082; from J. F. Clancy, 460 Lockwood St., Astoria, in 169th St. $4,017; from Johnson & McHugh, 37 Britton Ave., Elmhurst, in Parsons Blvd. $5,250; from P. J. Greenough Eng. Co., in 131st St. $1,667, and Tuckahoe Ave. $4,765. Noted July 31.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Aug. 5, from C. W. McDonald, West 10th St., Brooklyn, sewers in Crosby Ave. $4,739, Godwin Terrace $12,170; from McDonald & Wilson, 222nd St. and Laconia Ave., Dudley Ave. $3,769, Edison Ave. $6,243, Barnes Ave. $7,064, Rosedale Ave. $3,391, Randall Ave. $3,826; from Fordham Contg. Co., Dorothy Pl., Paulding Ave. $7,623, Continental Ave. $7,959; from F. Gabrielle, 1129 8th St. Mace Ave. $28,568; from F. Del Balso & Son, 660 East 221st St., Walton Ave. $3,835, White Plains Rd. $4,898, Orloff Ave. $20,677; from Anita Constr. Co., 2975 Marion Ave., Edenwald Ave. $19,716, Muliner Ave. $31,772, Schley Ave. $79,676, Amundson Ave. $11,292, Boyd Ave. $3,300. Noted July 31.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, Aug. 7, temporary sanitary sewers in Manor Rd., from J. Johnson Sons, 455 Bway., West New Brighton, $28,918.

Md., Baltimore—Mayor and City Council, sanitary sewers, and storm water drains in Dist. G-13, Storm Water Contr. 74, from Commonwealth Constr. Co., Madison & Howard Sts., $68,817.

Md., Baltimore—Mayor and City Council, 1,771 ft. 15- to 48-in. water drains in Dists. 32 and 49, Storm Water Contr. 72, from Ryan Constr. Co., 8 Light St., $87,215.

Mich., Clawson—C. J. Crawford, Oakland Co. Drain Comrs., from B. Hayes, 907 Majestic Bldg., Detroit, Sect. 1, 5,796 ft. 8 ft. sewer, $24, etc., total $143,354, Sect. 2, 4,158 ft. 7 ft. 6 in. sewer $23, etc., total $105,984, Sect. 3, 4,300 ft. 7 ft. $22, 2,109 ft. 6 ft. 6 in. $21, and 890 ft. 24 in. $15, total $160,239; from Hammen & Co., 4612 Woodward Ave., Detroit, Sect. 4, 2,347 ft. 72 in. sewer $21.55, 1,666 ft. 60 in. $16.15, 616 ft. 48 in. $12.45, 1,307 ft. 30 in. $6.65, and 908 ft. 24 in. $4.90, etc., total $105,594. Noted July 3.

Mich., Detroit — Constructing 2,464 ft. Harper Ave. Arm West, Sect. 1, from J. A. Mercier, 616 Hammond Bldg., $47,498; 4,569 ft. Cadieux Rd. Sewer, Sect. 2, from Jaynes & Affeld, 1208 Ford Bldg., $121,189; Lateral Sewer 4179, from A. Patruci, Detroit, $4,400; Sewer 4182, from S. Healy, 6466 Epworth Blvd., $5,727; Sewer 4185 from W. Blanck & Co., 40 Seven Mile Rd., $16,178; Sewers 4183 and 4191 from Detroit Drainage Constr. Co., 5099 LeMay Ave., $5,442 and $3,600 respectively. Noted July 17.

Tex., Houston—Storm sewer in Micheaux St., from C. K. Horton, 2202 Clay Ave., $29,950.

Calif., Los Angeles—For 8 in. vitr. sewer in 58th Pl. between Normandie and Denker Aves., from J. Artukovich, 614 North Bunker Hill Ave., $27,750.

CONTRACTS AWARDED

Mass., Dorchester (Boston, P. O.)—Dept. Pub. Wks., City Hall, Boston sewers in New England Ave. from Talbot to Massasoit Ave., here to J. J. Connelly, 19 Bethune St., Brighton, $35,778. Noted July 24, under Boston.

N. J., North Bergen (branch Weehawken)—North Bergen Twp. Comn., improving sewers in several streets to Clinton Asphalt Co., West Hoboken, $1,595,511. Noted July 24.

Tenn., Knoxville—General contract for Oakwood trunk sewer, from R. M. Calloway Constr. Co., Lenoir City, $47,623. Engrs. est. $50,000.

O., Cleveland—Bd. Comr. Cuyahoga Co., sewers in Impvt. 37, to T. P. Egan, Caxton Bldg., $96,711.

O., Columbus—W. H. Duffy, dir. Pub. Serv., improving and laying 1,870 ft. 6 and 8 in. sewer in alley north Manhattan Ave., to L. K. Wilkinson, 1318 West High St., $1,668; 10,587 ft. 6- to 10-in. sewer in 3rd Ave., to E. C. Bartling, 734 South Champion Ave., $9,617; 9,100 ft. 6- to 10-in. sewer in alley north of 5th Ave., to H. S. Bosler Constr. Co., 1504 Mulfrodd Ave., $7,133. Noted July 10.

O., Columbus—Franklin Co., 6,935 ft., 8- to 20-in. sewers in North High St. area, vitr. Contr. 30, to I. O. Jones, 303-4 Wesley Blk., $21,479; and 13,254 ft., vitr. sewers in Highland Garden area, Contr. 40, both Sewer Dist. Clinton Co., to H. E. Miller Contg. Co., 938 South High St., $20,735. Noted July 24.

Ind., Porter—Porter Sewer Dist. 1, extending sewerage system, to J. F. Hepskin, Richmond, $58,193.

Mich., Royal Oak—For Lateral Sanitary Sewer 33, 10,291 ft. 8 in. vitr. tile pipe, to R. D. Baker, 1631 Elmhurst Ave., Detroit, $57,428.

Mich., Royal Oak—Constructing 4,032 ft. Storm Sewer 5, 24 to 48 in. vitr. and concrete pipe, to J. J. Hammen & Co., 4612 Woodward Ave., Detroit, $45,806; also 4,045 ft. Storm Sewer 6, 4,045 ft. 48 in. concrete pipe with 210 ft. 12 and 15 in. vitr. pipe connection, to S. Healy, 6466 Epworth Blvd., Detroit, $46,326. Noted July 24.

Kan., Girard — Sewers, disposal tank, water mains, electrical transmission lines, transformer, etc., to Reed & Wheelock, Clay Center, $45,426.

Ark., El Dorado—For 33 mi. vitr. clay sewers, to McEachim & McEachim, Southern Trust Bldg., Little Rock. $265,876.

Ark., Hope — General contract sewage disposal plant, to C. A. and J. M. O'Neal, Hope. $11,250. City will purchase sand and iron pipe for plant.

Ark., Little Rock—For 11,400 ft. sewers in Sewer Dist. 94, to Nick Peay Constr. Co., Little Rock, $147,800. Noted May 15.

Tex., Dallas—J. P. Stephenson, c/o Koch & Fowler, engrs., Central Bank Bldg., 18 and 24 in. tile pipe, to S. Miller, 800 North Crawford St., $75,000. Noted June 12.

Tex., Galveston—Storm sewers, to H. J. Hetkes, Tremont St., $33,889.

Tex., Houston—Sanitary sewers in Leeland St. and Telephone Rd., to A. E. Quay Constr. Co., 1st Nat. Bank, $27,482 and $18,404 respectively, in Stimson, Lenox and Polk Sts., to C. K. Horton, 2202 Clay Ave., $26,504.

Wash., Seattle — Bd. Pub. Wks. constructing clay sewers in Letitia Ave., et al, to Northwestern Constr. Co., 1609 3rd Ave., $39,858.

Ont., Niagara Falls—Stamford Twp., laying sewers, etc., to Nelson River Constr. Co., Winnipeg, Man., $131,352; vitr. tile pipe, to Clay Products Ltd., 9 Wellington St. E., Toronto, $29,422; concrete pipe, to Dominion Lock Joint Pipe Co., Hamilton, $129,304; c.i. castings to Dominion Wheel & Fdry. Co., 131 Eastern Ave., Toronto, $6,484.

Bridges

PROPOSED WORK

N. C., Murphy — Cherokee Co. plans rein.-con. bridges on Shoal Creek Rd. between here and Tennessee State Line. $46,000. S. W. Lovingwood, chn. Bd. Comrs.

Kan., Dodge City—Ford Co. plans seven 92.5 ft. span steel truss bridge on Federal Aid Project 236, 1 mi. from here.

Tex., Carthage—See "Streets and Roads."

Tex., Cameron—Milam Co. making plans steel and concrete bridge across Little River. $25,000. A. F. Mitchell, co. engr.

Tex., Floresville — See "Streets and Roads."

Tex., New Boston — See "Streets and Roads."

Tex., San Antonio — See "Streets and Roads."

Calif., Antioch—J. G. Little, engr, 251 Kearny St., San Francisco, soon takes bids approximately 2,000 tons structural steel for rein.-con. and steel slab bridge, 21 ft. roadway over San Joaquin River, here, for Amer. Toll Bridge Co., 525 Market St., San Francisco, $1,300,000.

Calif., Los Angeles — City made preliminary plans 215 ft. single arch span concrete bridge over tracks of Santa Fe R.R. and Union Pacific R.R., on Macy St. $500,000. Railroad Companies to share portion of cost.

Que., Grand Mere—Provincial Government, Quebec, having preliminary surveys made for bridge over St. Maurice River. $250,000. I. E. Vallee, ch. engr. Dept. Pub. Wks., Quebec.

BIDS DESIRED

Conn., New Britain—Park Dept. taking bids 1 stone and 1 timber bridges, also one large culvert. $25,000. J. D. Williams, city engr.

N. Y., Quogue—Aug. 29, by F. Downs, town supt. highways at office town clk. draw bridge to replace present Post Bridge. $31,000. A. O. Smith, Port Jefferson, co. supt. highways; adv. E. N.-R. Aug. 14.

N. J., Trenton—See "Streets & Roads."

Virginia—See "Streets and Roads."

Alabama—See "Streets and Roads."

Ala., Gantt — Aug. 29, by State Hy. Comn., Montgomery, bridge over Conecuh River, near here, Covington Co., 101,000 lb. structural steel, 71,000 lb. reinforcing, 222 cu.yd. dry, 182 cu.yd. wet and 157 cu.yd. rock excav., etc. W. S. Keller, highway engr.

Ill., Aurora — Aug. 20, by Bd. Local Impvts, bridge over Fox River at Main St., concrete dam, retaining wall, paving streets and street lighting system, J. P. Wetz, secy.; adv. E. N.-R. Aug. 14.

Ia., Hampton — Aug. 11, by E. D. Haecker, aud. Franklin Co., 11 box culverts, and one 120 x 20 ft. high truss bridge, 581 cu.yd. rein.-con., 2,080 lin.ft. wood piling, 134,800 lb. steel. $25,243. M. E. Hickethier, co. engr.

Ia., Ida Grove—Aug. 21, by Bd. Supervs. Ida Co., 37 box culverts, one 20 x 40 ft. deck girder, one 16 x 60 ft. and one 50 x 18 ft. pony truss bridges, 1,418 sq.yd. rein.-con., 120,025 lb. reinforcing, 46,450 lb. structural steel, etc. $37,800. G. S. Witters, Ida Grove, engr.

Kan., Minneapolis — See "Streets and Roads."

Okla., Oklahoma City—Aug. 19, by M. Peshek, Jr., city clk., three 100 ft. span rein.-con. girder bridge at 39th St. $90,000. B. M. Hart, City Hall, engr. Noted July 3.

Okla., Peebly—Aug. 18, by W. A. Jackson, clk. Oklahoma Co. one 60 ft. span

Bridges (Continued)

rein.-con. girder bridge, 2,000 lin.ft. woodpiling 1,800 cu.yd. earth approach and fill. $27,500. R. S. James, Court House, Oklahoma City, engr.

Texas, Austin—See "Streets and Roads."

California—Aug. 25, by State Highway Comn., Sacramento, 7 combination wood and concrete trestles, 990 ft. together with weir or ford 600 ft. long over Pit River and Pit River overflow, Lassen Co. R. M. Morton, state highway engr.

BIDS RECEIVED

Pa., Pittsburgh—City c/o Dept. Pub. Wks., City-County Bldg., bridge on Shady Ave. over Pennsylvania R.R. tracks, from Fort Pitt Bridge Co., Olive Bldg., $26,690. Engrs. est. $42,000.

CONTRACTS AWARDED

Vermont—State Highway Dept., Montpelier, new bridges at Rutland, to J. E. Flood, Hudson Falls, N. Y., $89,755.

Pennsylvania—Delaware Co., Media and Chester Co. (West Chester), Pyles Twin Bridge over Brandywine Creek, to Winfield & Flink, Harrisburg, $123,855.

Louisiana—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ohio—Dept. Highways and Pub. Wks., Columbus bridge on .007 mi. Sect. H, Painesville-Ravenna Rd., Geauga Co., to Reedy Bros., Warren, $5,791; concrete beam bridge on Sect. E, Bryant-Ft. Wayne Rd., Defiance Co., to D. B. Putnam, Van Wert, $6,274; superstructure on Sect. N, Pomeroy-McArthur Rd., Meigs Co., to Ebersbach Co., Pomeroy, $1,950; concrete bridge on Sect. O, Cambridge-Caldwell Rd., Noble Co., to C. C. Carpenter, Ada, $8,823; rein.-con. arch bridge on Sect. Hargus Creek Bridge, Columbus-Portsmouth Rd., Pickaway Co., to Waters-Freemas Co., Columbus, $35,562; concrete beam bridge on Sect. F, Dayton-Indianapolis Rd., Preble Co., to B. C. Krause, West Alexandria, $2,984.

Ill., Rockford—Winnebago Co., three 55 ft. rein.-con. span bridge to replace 140 ft. steel truss bridge, on Park Ave., to F. E. Marsh & Co., Jefferson, Ia. Engrs. est. $25,000.

Wyoming—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City to J. W. Wilson, Warrensburg, one 60 ft. steel truss span, etc. over Brush Creek, $7,774, one 25 ft. rein.-con. deck girder and two 10 ft. rein.-con. slab spans over Sutton Branch $5,477, one 100 ft. steel truss span, etc. over Big Creek $30,841, one 30 ft. rein.-con. deck girder span, etc. over Hampton Branch, $3,538, all Iron Co.; to Yancey Constr. Co., Abeline, Kan., eleven 20 ft. rein.-con. slab spans, etc. over overflow of East Yellow Creek $20,290, three 20 ft. rein.-con. slab spans, etc. over Van Doosen Creek, $6,377, one 40 ft. rein.-con. deck girder, and four 20 ft. rein.-con. slab spans, etc. over East Yellow Creek, $11,625, one 80 ft. steel truss span and eight 20 ft. rein.-con. slab spans, etc. over West Yellow Creek, $23,865, all Linn Co.; to Maloney & Whalen, St. Louis, one 30 ft. and one 40 ft. rein.-con. deck girder spans, etc. over stream, Crawford Co., $6,516; to McNerny & Hallett Constr. Co., Carthage, one 100 ft. steel truss span, etc. over Miami River, Bates Co., $17,132; to K. A. Raines, Fayette, two 8 ft. rein.-con. slab spans over stream, Howard Co., $2,366; to Stoner & Deering, Chamois, one 30 ft. I beam span, etc. over stream, Howard Co., $985; to Lameraux Bros., Omaha, Nebr., two 10 ft. rein.-con. slab spans, etc. over stream, Linn Co., $2,923; to Graham Concrete Products Co., Sedalia, one 40 ft., rein.-con. deck girder and two 14 ft. rein.-con. slab spans, etc. over Missouri Pacific R.R. tracks, Cooper Co., $4,134; to S. J. Groves & Sons, Montreal and Cleveland Aves., Minneapolis, Minn., one 45 ft. rein.-con. deck girder span, etc. over Tom Creek, Coldwell Co., $8,910; to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, one 50 ft. steel truss span, eto over Otter Creek, Wayne Co., $13,367; to Cook-O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, two 10 ft. rein.-con. slab spans, etc. over stream, Linn Co., $4,962.

Tex., Houston—Concrete girder bridge, 80 ft. opening, 50 ft. high, Smith St., and Buffalo Bayou, to C. K. Horton, 2200 Clay St., $163,300. Noted July 31.

Tex., Houston—Harris Co., over Sims Bayou Bridge, two 34 ft. and one 125 ft. concrete spans, 20 ft. roadway, to Smith. Starkey & Brown, Stewart Bldg., $25,638.

Tex., Laredo—Webb Co., four bridges, one culvert, etc. on Laredo-Mirando Highway, to H. B. Zachry, Laredo. Engrs. est. $37,338.

Okla, Oklahoma City—P. M. Pishek, city clk., rein.-con. and steel viaduct, Walker St., to Green-Beekman Constr. Co., 1200 West 11th St., Oklahoma City, $328,399 Noted July 31.

Calif., Bonsall—Supervs. San Diego Co. (San Diego), rein.-con. bridge over San Luis Rey River near here, to McKay Eng. Co., 5617 Hollywood St., Los Angeles, $129,471. Noted July 17 under "San Diego."

Que., St. Eugene La Martine — Town Council, constructing 2 span bridge, to J. Nadeau, Levis, $28,000. Engrs. est. $30,000.

Dams

PROPOSED WORK

Mo., Waynesville — Central Missouri Power & Water Co., 700 Interstate Bldg., Kansas City, making preliminary plans and surveys, dam, 95 ft. high, forming lake 1 mi. wide, 50 mi. long, main power house, 7,000 hp. turbines each operating 5,000 kw. electric generator. Clark & Jacoby Eng. Co., 700 Interstate Bldg., Kansas City, engrs.

Tex., San Antonio — Richey, Casey & Etheridge Bros., 321 North St. Marys St., plans 60 ft. concrete and earthen dam to be used to form lake on Stowers Ranch, on Fredericksburg and Blanco Rds., north of here. $60,000 or more. Engineer not selected.

CONTRACTS AWARDED

N. Y., Wells—Town Bd., dam across Sacandaga River, to Shutler Constr. Co., 250 West 54th St., New York City. Noted July 3.

Railways

PROPOSED WORK

Ill., East St. Louis—Baltimore & Ohio R.R. Co., Baltimore, Md., plans freight yard, 11,300 car capacity, near here. There is, however, no intention of beginning any immediate construction of freight facilities. H. A. Lane, ch. engr.

Texas — Harris Co. Navigation Dist., Court House, Houston, voted $200,000 bonds extending belt line railroad in Houston. E. A. Tucker, Court House, Houston, engr.

Texas—Dallas Ry. Co., Interurban Bldg., Dallas, making plans new street car line in Fairmount. $25,000 plus. R. B. Brown, Interurban Bldg., Dallas, engr.

BIDS DESIRED

New York—Aug. 26, by State Hospital Comn., Albany, railroad tracks and coal trestle, at State Hospital, Creedmoor. L. M. Farrington, secy.; adv. E. N.-R. Aug. 14.

CONTRACTS AWARDED

Louisiana—Louisville & Nashville R.R., Louisville, Ky., will build new yard, tracks, flood lighting system for yards, 636,000 gal. creosoted pine water tank, by day labor. Will soon take bids round house, machine shops, store and office buildings, engineers and firemens building, etc., all at Gentilly Sta., New Orleans. $1,000,000. W. H. Courtenay, ch. engr.

Texas—Texas Electric Ry., Interurban Bldg., Dallas, will construct 8,000 ft. street car line extension to Bellmead Shops of Missouri, Kansas & Texas R.R. at East Waco, by day labor. $70,000. R. R. Brown, Interurban Bldg., Dallas, engr.

Texas—Texas Interurban Ry., Interurban Bldg., Dallas, will construct double tracking on St. Paul St., Dallas, by day labor. $45,000. R. B. Brown, Interurban Bldg., Dallas, engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

La., Thibodaux—La Fourche Terrebonne Dist., voted $175,000 bonds for reclaiming 41,000 acres land.

Tex., Edinburg — Hidalgo Co. making plans irrigating 40,000 acres in Water Impvt. Dist. 4, water to be lifted 40 ft. out of Rio Grande River and pumped into 400 acre reservoir, then to flow by gravity through irrigation canals, etc. $500,000. W. L. Rockwell, Edinburg, engr.

Tex., Ft. Worth—Ft. Worth Club, 6th and Main Sts., takes bids about Aug. 31, excavation for 12 story and basement, 100 x 200 ft., club, 7th and Throckmorten Sts. $20,000. Sanguinette, Staats & Hedrick, 1st Natl. Bank Bltg., engrs. and archts.

Okla., Oklahoma City — Making plans straightening and widening on Canadian River, known as Robinson Ave. Project, $75,000, and Exchange Ave. Project, $50,000. B. M. Hart, City Hall, engr.

Calif., Los Angeles—City Harbor Comn. plans dredging in vicinity of berths 208 and 168. To exceed $25,000.

Calif., Santa Maria—Santa Maria Irrigation Dist., making plans irrigating approximately 50,000 acres, also constructing large storage dam and canal system. $3,500,000 to $4,000,000. C. Polk, Santa Maria, consult. engr.

Canada—Dominion Government, Ottawa, Ont., plans dredging at Parrsboro, N. S. $25,000, in St. Marys River, N. S. $20,000, in Gaspereau River, Port Elgin, N. B., $20,000, in Pentecots River, Que. $40,000, in St. Antointe de Tilly $15,000, in Blind River, Ont. $25,000, in Mitchells Bay, Ont. $15,000, at Point Edward, Ont. $30,000, at Blairmore, Atla. $20,000; wharf repairs and harbor improvements at Kingsport, N. S. $18,000, Bonaventure, Que. $20,000, Petite Rivere Romaine $18,000, at Port Hope, Ont. $16,300; bank protection in Columbia River below Burton, B. C. $20,000, in Quebec Harbor $500,000.

Nova Scotia—See "Unclassified."

Ont., Honey Harbor—Dept. Pub. Wks., Parliament Bldg., Ottawa, soon takes bids dredging, here. $25,000. K. M. Cameron, ch. engr.

BIDS DESIRED

N. Y., New York—Aug. 19, by M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., North River, dredging at Rikers Island, Bronx Boro.

Wis., Waupaca—Aug. 15, by Waupaca Co. Drainage Bd., Courthouse, 35,000 yd. open ditch for dryland machine. L. M. Schindler, 717 Clark St., Appleton, engr.

Calif., Oakdale—Directors Oakdale Irrigation Dist., taking bids 4 mi. open ditch, 5 ft. wide on bottom, 8,000 cu.yd. excav., 4 culverts 96 lin. ft. 36 in. concrete pipe, etc. R. E. Hartley, Oakdale, engr.

BIDS RECEIVED

N. J., Plainfield—Aug. 27, by Union Co. Park Comn., 286 North Broad St., Elizabeth, excavating and placing about 30,000 cu.yd. material from proposed lake area in Cedar Brook Park. W. R. Tracy, engr. and secy.; adv. E. N.-R. Aug. 14.

CONTRACTS AWARDED

Mass., South Boston (Boston, P. O.)—Commonwealth of Massachusetts, Boston, to Bay State Dredging & Contg. Co., 62 Candor St., East Boston, dredging at Commonwealth Pier 5, soft deposit $0.46 cu.yd., boulders $20 cu.yd. and delays $65 per hr.

Fla., Tampa—Dover D. D., draining 11,339 acres, 630,000 cu.ft. excav., about 35 mi. drains and ditches, to Thompson & Mosley Co., Atlanta, Ga., $144,900. Engrs. est. $189,000.

La., Shrewsbury—Bd. Comrs. 4th Jefferson D.D., 30 or more miles canal, pumping plants, etc., 2,500,000 cu.yd. hydraulic dredging and 3,500,000 cu.yd. excav., etc., to McWilliams & Hampton Reynolds, Maison Blanche Bldg., $736,000. Noted July 10.

Ark., Wynn—Cross Co. D.D. 6, 24 mi drainage ditches, approximately 1,598,000 sq.yd. excav., to McWilliams Co., Inc., Exchange Bldg., Memphis, Tenn. $169,671. Noted July 17.

Streets and Roads

PROPOSED WORK

Conn., New Haven—Plans grading, etc. Concord St., about 5,000 cu.yd. fill. $25,000. E. S. Nettleton, City Hall, engr.

Pa., Somerset—Bd. Comrs. Somerset Co. opens bids about Aug. 19, brick or rein.-con. surfacing 4,700 ft. Mencher Highway, Conemaugh Twp., 18 ft. $50,000.

North Carolina—State Hy. Comn., Raleigh, grading, topsoiling, etc., 10 mi. State Project 479, $100,000, also 11.5 mi. State Project 480, $115,000, both Wake Co.; resurfacing 5 mi. State Project 976, Madison and Yancey Counties, waterbound macadam, $30,000. C. M. Upham, highway engr.

N. C., Charlotte—See "Sewers."

N. C., Murphy — Cherokee Co. plans graveling 23 mi. Shoal Creek Route between here and Tennessee State line. $140,000. S. W. Lovingwood, chn. Bd. Comrs.

La., Lake Charles—Making preliminary plans grading, curbing, guttering and paving 6 mi. 27 streets, concrete, brick on concrete, asphalt, etc. Address City Engineer.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids, July 11, grading, bridging and paving 2.032 mi. Sect. A, Toledo-Detroit Rd., Lucas Co., brick or concrete.

O., Akron—Plans resurfacing and widening ¾ mi. Bowery St. from Main to Exchange Sts., 40 ft. $50,000. E. A. Kemmler, Delaware Bldg., engr.

Michigan — State Hy. Dept., Lansing, takes bids about Aug. 31, grading and surfacing 5 mi. State Trunk Line Rd. 46-27, and 7.25 mi. State Trunk Line Rd. 14-30, both Gratiot Co. G. C. Dillman, ch. engr.

Michigan — State Hy. Dept. at office Comrs. Sanilac Co., Sandusky, rejected bids June 30, grading and surfacing 0.407

Streets and Roads (Continued)

mi. State Trunk Line Rd. 27-12 B. Noted July 10.

Mich., Detroit—Made plans paving with 3½ in. sheet asphalt on 8 in. concrete, 1,400 sq.yd. Duncan Ave. $6,940, 18,200 sq.yd. Knodell Ave. $91,200, 13,700 sq.yd. Livernois Ave. $66,970, 5,980 sq.yd. Pine St. Sect. 1, $29,800, 1,380 sq.yd. Pine St. Sect. 2, $6,910, 11,600 sq.yd. Tireman Ave. $58,000, 7,900 sq.yd. Livernois Ave. Sect. 4, $49,600, 3,320 sq.yd. Belfast Ave. $16,600. G. Jerome, city engr.

Mich., Ecorse—Made plans concrete curbing and paving Salliotte Rd., Charlotte and Westfield Aves., Auburn Ave. E., Rockwood Ave. W., Woodward Ave. W., Ridge Ave. W., Josephine Ave. E., Rockwood Ave. E., and Cherry Grove Ave. E. M. L. Brown & Son, 407 Capitol Theatre Bldg., Detroit, engrs.

Mich., Springwells—Made plans concrete paving **(S.A.D. means Special Assessment Dist.)** 22,080 sq.yd. S.A.D. 31, 5,860 S.A.D. 33, 45,855 sq.yd. S.A.D. 36, 9,250 sq.yd. S.A.D. 38, and 6,900 sq.yd. S.A.D. 40. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, engrs.

Wis., Beloit—Plans paving about 100,000 sq.yd. Olympian Blvd., 1 alley, Madison Rd., College, East Grand, West Grand, Hackett, St. Lawrence, Strong and Woodland Aves., Central, Broad Copeland, Eaton, 8th, Euclid, 4th, Evergreen, Hull, Jackson, Keeler, Kenwood Lincoln, Maple, Oak, Moore, Park, Pleasant, Roosevelt, Vine, Wisconsin and Liberty Sts. G. E. Heebink, City Hall, engr.

Wis., Racine — Making plans paving Monroe Ave., Washington, Garfield, 26th and 36th Sts., various types including concrete and vibrolithic concrete. To exceed $25,000. D. H. Ames, City Hall, engr.

Wis., Racine—Racine Co. plans concrete surfacing 2½ mi. Thompsonville Rd., and ½ mi. Burlington-New Minster Rd. W. A. Bechthold, 444 Milwaukee St., Milwaukee, engr.

Kan., Holton—Jackson Co. making preliminary plans grading, etc., 10 mi. country roads. P. W. Wright, Holton, engr.

Kan., Paola—Miami Co. making surveys grading 18 mi. roads. To exceed $25,000. R. M. Gardener, Paola, engr.

Kan., Pleasanton—Making plans brick or concrete surfacing 1 mi. various streets. To exceed $25,000. F. E. Devlin, Bitting Bldg., Wichita, engr.

Montana — State Hy. Comn., Helena, withdrew bids June 27, grading, graveling, etc., Federal Aid Project 208-A; also 90 ft. pony truss bridge on Federal Aid Project 208-B, both Glacier Co.

Missouri — State Hy. Dept., Jefferson City, plans grading 22.425 mi. roads in Pettis, Clinton, Crawford, Lafayette, Buchannon, Clay and Pemiscot Counties; concrete surfacing 6.627 mi. roads, 18 ft., in Pemiscot and Clay Counties; penetration macadam paving 6.587 mi. roads, 18 ft. in Clinton and Pettis Counties; graveling 1.751 mi. road, 12 ft. in Taney Co. B. H. Piepmeier, state highway engr.

Missouri — State Hy. Dept., Jefferson City, rejected bids June 10, grading 4.648 mi. road from Osceola south, St. Claire Co.; 3.327 mi. road from Zebra, east and west, Camden Co. B. H. Piepmeier, ch. engr.

Mo., Centralia—Election Aug. 19, $50,000 bonds constructing general streets. Benham Eng. Co., 512 Gumble Bldg., Kansas City, engrs.

Mo., Sedalia—Making preliminary plans grading and concrete paving 12 blocks Washington Ave., Massachusetts and Missouri Sts., also 2 concrete alleys. $40,000. Address City Engineer.

Tex., Amarillo—Potter Co. rejected bids July 23, surfacing 1.05 mi. State Highway 33, Federal Aid Project 421-A, 18 ft. vitr. brick on concrete and bituminous topping on gravel or brick. $40,000 incl. engineering and contingencies. Noted July 10.

Tex., Anderson—Grimes Co. election Aug. 9, $1,549,500 bonds hard surfacing Dists. 1 to 8 inclusive. Quarles, Adams & Gaines, Anderson, engrs.

Tex., Bandera — Bandera Co. plans improving roads in Dist. 3. $25,000 bonds approved by Attorney General.

Tex., Barstow—Ward Co. making plans grading, gravel and ½ mi. concrete paving 4.61 mi. State Highway 1, 18 ft. $86,000. S. S. Posey, co. engr.

Tex., Cameron—Milam Co. making plans hard surfacing 2.25 mi. Highway 36, 18 ft. $36,000. A. F. Mitchell, co. engr.

Tex., Carthage — Panola Co. making plans grading and constructing 2 bridges over 20 ft. spans on 14.96 mi. State Highway 61, 18 ft. $81,475. Titus & Dillon, co. engrs.

Tex., Center — Shelby Co., soon takes bids grading and gravel surfacing, etc., 11.45 mi. State Highway 35, 16 ft. $65,000. Titus & Dillon, co. engrs.

Tex., Dallas—Making plans opening and paving Matilda St. $30,000 plus. E. A. Kingsley, city engr.

Tex., Dallas — Making plans macadam paving one-half mi. in Tennison Park. $25,000. E. A. Kingsley, city engr.

Tex., Dallas—Plans opening, extending and paving Parry Ave. from Trunk Ave. to Ervay St., $50,000, Ash Lane, $50,000 plus; gravel surfacing and grading 1 mi. Lancaster St., 40-60 ft., $25,000. E. A. Kingsley, city engr.

Tex., Dallas—Making plans opening and widening to 60 ft., 2nd Ave. from Metropolitan St. to city limits. $25,000. E. A. Kingsley, city engr.

Tex., Floresville — Wilson Co. making plans grading, bridging and paving 14.52 mi. State Highway 16, Federal Aid Project 434, 18 ft., bituminous on macadam. $380,800. F. E. Hess, Floresville, engr.

Tex., Galveston — Voted $300,000 bonds permanent paving various streets. C. A. Holt, Jr., city engr.

Tex., Galveston—Voted $300,000 bonds permanent paving various streets. C. A. Holt, Jr., city engr.

Tex., Groveton—Trinity Co. voted $60,000 bonds constructing roads in Dist. 1. A. J. Berry, co. judge.

Tex., Groveton — Trinity Co. defeated $50,000 bonds improving highway in Carlisle and Chita Dists.

Tex., Jacksonville—Cherokee Co. voted $100,000 bonds street paving and improvements. Address A. E. Garner, city secy.

Tex., Jacksonville—Made plans standard paving various streets. $100,000. W. S. Bizzell, city engr.

Tex., Jasper—Jasper Co. soon takes bids grading and gravel surfacing 9.1 mi. State Highway 8, Federal Aid Project 350, 18 ft. $150,750. C. P. Hunter, co. engr.

Tex., Johnson City—Blanco Co. making plans grading, adobe surfacing, etc., 5.56 mi. State Highway 46, State Aid Project 213-C, 16 ft. $29,000. J. W. Puckett, co. engr.

Tex., La Grange—Fayette Co. making plans grading and gravel surfacing 9.5 mi. State Highway 20, Federal Aid Project 420, 18 ft. $115,000. J. P. Kearby, Jr., co. engr.

Tex., Lufkin—Making plans improving 9 blocks Abney St. $30,000. G. R. Abney, city engr.

Tex., McGregor—Making plans standard paving business streets. $50,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Tex., New Boston — Bowie Co. making plans grading, gravel surfacing and bridging 6.5 mi. State Highway 8, Corley Rd., 18 ft. $59,000. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., San Antonio—Bexar Co., making plans grading, bridging 1 in. rock asphalt on gravel surfacing 1.89 mi. State Highway 3, 18 ft. $150,000. A. C. Pancoast, co. engr.

Tex., San Benito—Voted $75,000 bonds permanent paving various streets. Noted July 10.

Tex., San Diego—Duval Co. plans hard surfacing 17 mi. roads radiating from here, 18 ft. $250,000 bonds approved by Attorney General.

Tex., Sonora—Sutton Co. making plans grading and surfacing 7.86 mi. State Highway 27, Federal Aid Project 425-A, 18 ft., gravel, sledged stone and crushed stone. $82,000. H. P. Stockton, Jr., Sonora, engr.

Tex., Temple—Making plans permanent paving approximately 50,000 yds. various streets. $190,000. G. E. Byers, 617 North 4th St., Waco, engr.

Tex., Temple—Made plans standard paving 2½ mi. various streets, 30 to 60 ft. $200,000. G. E. Byers, city engr.

Tex., Tyler—Election Aug. 16, $150,000 bonds permanent paving various streets. L. H. Powell, engr.

Tex., Victoria—Victoria Co. election Oct. 11, $750,000 bonds improving various county and state highways. P. P. Putney, co. judge.

Tex., Waco—McLennan Co. making plans permanent paving 50,000 sq.yd. various streets. $190,000. G. E. Byers, 617 North 4th St., engr.

Wash., Seattle — King Co., takes bids about Aug. 30, paving 1 mi. Auburn Highway, south to Pierce Co. line and constructing 270 ft. steel bridge with concrete piers and approaches, across Stuck River. T. R. Beeman, 602 37th St., engr.

Okla., Oklahoma City—Plans resurfacing and repaving 7 blocks Classen Blvd. through Harndale addition, 6,600 sq.yd. asphalt, 700 lin.ft. curbing, 2,000 cu.yd. rock excav. $32,000. B. M. Hart, City Hall, engr.

Okla., Sapulpa — Making plans paving streets, various types. To exceed $25,000. L. E. Lawrence, city mgr.

Calif., Burbank — Making plans paving and laying watermains in 1¾ mi. section Victory Highway, 24 ft. 6 in. concrete. To exceed $25,000. Engineer not selected.

Calif., Chico — Plans paving Salem St. between 5th and 1st Sts., and in 13th subdivision, etc. To exceed $25,000.

Calif., Hermosa Beach—Made plans improving Prospect Ave. between Pier Ave. and Redondo city limits, 30,000 sq.yd. 6 in. concrete paving, 6,890 lin.ft. A and 10,738 lin.ft. B concrete curbing, 29,030 cu.yd. cut. V. H. Staheli, city engr.

Calif., Glendale—Making plans improving Grove Ave., 4th St. and San Fernando Rd., 50,800 sq.ft. grading, 31,250 sq.ft. macadam paving, 10,020 sq.ft. sidewalks, 2,049 ft. curbing, 1,069 ft. 4 in. c.i. water pipe; Viola Ave. and Stocker St., 26,025 sq.ft. grading, 36,025 sq.ft. 3 in. oil macadam paving, 1,043 ft. 4 in. water pipe, etc.; San Fernando Rd. between Los Angeles and Burbank city limits, approximately 1,325,000 sq.ft. paving and grading, curbs, sewers, water pipe, ornamental street lighting system, $500,000 or more, Los Angeles Co. will finance portion of cost. B. F. Dupuy, city engr.

Calif., Oakland—Alameda Co. plans concrete paving roads through Niles Canyon. $250,000. G. A. Posey, co. surv.

Calif., Oroville—Butte Co. made plans improving Neal Rd., 130 tons commercial rock, 18 tons grade "E," asphaltic oil; Paradise Stirling City Rd., 320 tons commercial or local rock, 15 tons Grade "E," asphaltic oil. Owner will furnish rock and oil. H. H. Hume, co. surv.

Calif., San Diego—Comn. Council plans improving Ohio St. between University and El Cajon Aves., 128,803 sq.ft. 1½ in. Warrenite bitulithic on 4 in. concrete, 56 lin. ft. concrete curb; Illinois St. between University and El Cajon Aves., 128,795 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete, 197.3 lin.ft. concrete curb, 1,030 sq.ft. concrete sidewalks. F. A. Rhodes, city engr.

Calif., San Rafael—Made plans improving Clinton Ct., 39,000 sq.ft. bituminous macadam pavement, 14,000 sq.ft. concrete sidewalks, 4,000 lin. ft. curb and gutter, 1,650 lin. ft. sewers, manholes, etc. J. C. Oglesby, San Rafael, engr.

Calif., Santa Ana — Orange Co. made plans paving 1 mi. Ball Rd. between Euclid Ave. and Stanton city limits, Rd. Dist. 25, 18 ft.; 5 mi. 7- to 9-in. concrete paving West 17th St. between Westminster and Santa Ana, 18 ft., Rd. Dist. 31; asphaltic concrete paving Central Ave. west of La Habra and Hacienda Dr. Rd. Dist. 39. J. L. McBride, Santa Ana, co. road comr.

Calif., Stockton—Making plans grading, surfacing, etc., portions of Bonnie Lane, Lower Sacramento Rd., Fulton Ave., etc., 2 in. asphaltic macadam on 4 in. cement gravel, 2 in. asphaltic concrete on 2½ in. asphaltic concrete and cement gravel. $62,500. W. B. Hogan, city engr.

Calif., Stockton—Made plans improving streets in Pacific Manor, 15,501 cu.yd. cut, 1,275 cu.yd. fill, 13,391 lin.ft. concrete curb and gutter, 66,037 sq.ft. cement sidewalks, 152,274 sq.ft. 2 in. asphaltic macadam on 4 in. cementing gravel, 17,080 sq.ft. 2 in. asphaltic concrete on 2½ in. cementing gravel and asphaltic concrete. W. B. Hogan, city engr.

Ont., Brampton—Soon takes bids concrete curbing, guttering and 13,000 sq.yd. concrete or asphalt paving. $50,000. W. M. Treadgold, town engr.

Ont., Hamilton — Plans concrete and asphalt paving Aberdeen Ave. $64,993, asphalt paving Victoria Ave. $10,000, Wood St. $11,000, and brick paving Hess St. $20,000. E. L. McFaul, city engr.

Ont., Welland — Welland Co. making plans concrete paving 10,500 sq.yd. road from Bowen Rd. to Niagara Blvd. $32,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

Maine—Aug. 21, by State Hy. Comn., State House, Augusta, grading and bituminous macadam surfacing 2.45 mi. in Frankfort, also grading and gravel surfacing 5.72 mi. in Winn. P. D. Sargent, ch. engr.

Massachusetts—Aug. 19, by Dept. Pub. Wks., State House, Boston, bituminous macadam paving 2,218 ft. highway, in Oxford, 5,657 ft. in Westwood, 2,200 ft. in Rockport; bituminous concrete paving 3,250 ft. in Plympton; rein.-con. paving 7,100 ft. in Agawam and 22,306 ft. in Holyoke, all 18 ft. W. F. Williams, Comr.

Mass., Boston—Aug. 26, by Park Dept., 33 Beacon St., widening and resurfacing road in Franklin Park, Sect. 1, from Blue Hill Ave. to Valley Gate Triangle. $25,000. J. B. Shea, 33 Beacon St., chn.

Conn., New Britain—Aug. 19, by Park Dept., paving 8,000 ft. roads in Stanley Quarter Park, macadam. $25,000. J. D. Williams, city engr.

Streets and Roads (Continued)

N. Y., Sea Cliff—Aug. 19, by Bd. Village Trustees, 50,000 lin.ft. concrete curb and gutters. W. E. Fuller, Swarthmore, Pa., engr.; adv. E. N.-R. Aug. 14.

New Jersey — Aug. 26, by State Hy. Comn., Trenton, paving Route 5, Sect. 13, Morris Co., and Route 18, Sect. 1, Bergen Co. A. L. Grover, secy.; adv. E. N.-R. Aug. 14.

N. J., Trenton—Aug. 19, by Hamilton Twp. Com., W. R. Hart, clk., 409 Johnson Ave., 28,970 sq.ft. concrete pavements, 560 sq.ft. 4 in. concrete sidewalk and 1,083 sq.ft. concrete sewers. C. S. Sincerbeaux, Amer. Mechanic Bldg., engr.

Pa., Phila.—Aug. 18, by Bureau Hys., Dept. Pub. Wks., grading (Schedule A) 4,851 cu.yd. Barcalow St., 435 cu.yd. Courtland St., 2,322 cu.yd. Lauriston St., 1,165 cu.yd. Luray St., 2,330 cu.yd. Mutter and Waterloo Sts., 1,067 cu.yd. Napa St.; asphalt paving, (Schedule B) 1,369 sq.yd. Blavis and Reese Sts., 3,130 sq.yd. C St., 1,694 sq.yd. Emlen St., 2,442 sq.yd. Glenwood St., 1,137 sq.yd. Hanson St., 1,174 sq.yd. Kingston St., 6,341 sq.yd. Lambert and Woodstock Sts., 3,890 sq.yd. Limekiln St., 6,726 sq.yd. Mitchell St., 1,498 sq.yd. Pratt St., 1,290 sq.yd. Wagner St.; vitrified block paving (Schedule C) 493 sq.yd. Bringhurst St.; granite block paving, (Schedule D) 940 sq.yd. Manayunk St. G. H. Biles, dir. Pub. Wks.

Maryland—Aug. 26, by State Rds. comn., Baltimore, concrete paving, in Frederick Co., Contr. F-77, Montgomery Co., Contr. M-55: Baltimore Co., Contr. B-64; and Somerset Co., Contr. S-21; asphalt paving in Baltimore City, Contr. Bc-47; concrete shoulders in Montgomery Co., Contr. M-54; graveling in Howard Co., Contr. Ho-49; Charles Co., Contr. Ch-32. J. N. Mackall, chn.; adv. E. N.-R. Aug. 14.

Md., Baltimore — Aug. 20, by Bd. of Awards, grading, surfacing, sodding and concrete work, etc., for playground and area around School 69, Granada and Oakford Aves., $25,000, also for playground and area around Hampden-Woodberry School, $30,000, H. G. Perring, Hearst Tower, superv. engr., respectively.

Virginia—Aug. 26, at office State Hy. Comn., Richmond, improving roads and bridges in Route 35, Project F-145-B, Route 32, Project F-184-A, Route 31, Project F-358-C, Route 34, Project S-386. C. S. Mullen, ch. engr.; adv. E. N.-R. Aug. 14.

W. Va., Moundsville—Aug. 26, by Marshall Co., grading 3 mi. Big Grove Creek Rd. $25,000. A. Purdy, Moundsville, engr.

W. Va., Princeton—Aug. 20, at office C H. Shepherd, city clk., paving various streets. F. J. Kyle, city engr.; adv. E. N.-R. Aug. 14. Noted June 26.

Alabama—Sept. 10, by State Hy. Comn., Montgomery, grading and gravel surfacing 4 mi. road incl. treated timber and concrete bridges in Bullock Co., Federal Aid Project 1, 11,712 lb. reinforcing, 147,112 ft. treated timber, 9,070 lin.ft. treated timber piles, 1,280 sq.yd. 1½ in bituminous surfacing, 1,796 cu.yd. excav., 1,100 cu.yd. gravel surfacing, etc. W. S. Keller, highway comr.

Miss., Fayette—Aug. 26, by Claiborne Co. graveling 7.032 mi. Natchez-Hazelhurst Rd., 12 ft., Federal Aid Project 84-B, $49,735. H. C. Dietzer, Jackson, engr.

Miss., Hazelhurst—Aug. 27, by Copish Co., gravel surfacing 2.503 mi. Fayette-Hazelhurst Rd., Federal Aid Project 174-A, $29,516. H. C. Dietzer, Jackson, engr.

Miss., Port Gibson—Aug. 28, by Jefferson Co., graveling 4,941 mi. Fayette-Port Gibson Rd., 12 ft., Federal Aid Project 176-A, 12 ft. $45,234. H. C. Dietzer, Jackson, engr.

La., Lake Charles—Aug. 30, paving 23 city streets, various types material.

La., New Iberia—Aug. 27, by Bd. Aldermen, 17,000 sq.yd. bitulithic, asphaltic concrete or plain concrete paving, and 18,000 cu.yd. gravel or shell surfacing.

La., New Orleans — Sept. 16, paving streets in 1925 program. A. Klorer, city engr.

Ky., Henderson—Aug. 19, 65,000 sq.yd. paving and 25,000 cu.yd. excav. C. F. Hall, mayor; adv. E. N.-R. Aug. 14. Noted July 17

O., Akron—Aug. 18, by W. F. Peters, dir. Pub. Serv., vitr. brick paving grading, curbing and sewers in 3,260 sq.yd. Bell St., $22,000; grading, laying sidewalks and cindering 1,295 cu.yd. Baird and Sherman Sts., $15,000; grading, vitr. brick paving, curbing, and laying sidewalks on 1,650 sq.yd. Monroe St., $13,000. E. A. Kemmler, 300 Delaware Bldg., engr. Noted July 17.

O., Akron—Aug. 18, by W. F. Peters, dir. Pub. Serv., vitr. brick paving, grading, curbing, laying sidewalks and sewers in 7,225 sq.yd. Wilbeth Rd., $50,000, 6,740 sq.yd. Blain Ave., $60,000; grading, vitr. brick paving and laying sewers in 4,225 sq.yd. Gridley St., $30,000; vitr. brick paving, grading and laying sidewalks on 3,610 sq.yd. Grand Ave., $25,000; vitr. brick paving, grading, laying sidewalks and sewers in 5,080 sq.yd. Cole Ave., $40,000. E. A. Kemmler, 300 Delaware Bldg., engr. Noted July 17.

O., Barberton—Aug. 16 by Bd. Control improving 1½ mi. Center St., from Baird to Holmes Sts., 40 ft. asphalt. $35,000. H. Alcorn, Barberton, engr.

O., Columbus—Aug. 19, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections, and paving 642 ft. alley north Frambes Ave., 23.5 ft., brick $6,389, concrete $5,704; 4,287 ft. Milford Ave., Bassett and 22nd Sts., 24 ft., brick $78,961, asphalt $63,905; 880 ft. alley north 10th Ave., 15 and 25 ft., brick $7,385, concrete $6,550; 656 ft. alley north Patterson Ave., 18 ft. brick $4,633, concrete $4,104; 2,242 ft. Wall St., alleys north Sycamore St., Northwood and Oakland Aves., 20 ft., brick, $18,475, concrete $16,321; 1,630 ft. alley west Martin St. and alley north Lorain Ave., 15 ft. brick $10,085, concrete $9,914; 582 ft. Clifton Ave., 26 ft., brick $11,848, asphalt $10,229.

O., Euclid—Aug. 24, grading, paving and curbing Edgecliff Dr., East 197th, 199th and 200th Sts. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Steubenville—Aug. 18, by R. P. Price, dir. Pub. Serv., grading, concrete or brick paving, etc., Carnegie and Pittsburgh Sts., from Wellesley to Oak Grove Aves. B. M. Smith, clk.

Ill., Aurora—See "Bridges."

Ind., New Albany—Aug. 16, by Comrs. Floyd Co., limestone paving 10,459 ft. Fairview Knob Rd., 24 x 24 ft. $25,217. M. M. Boland, New Albany, engr.

Michigan—Aug. 18, by State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading and gravel surfacing 1.515 mi. State Trunk Line Rd. 66-21 A, 14,222 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Aug. 20, by State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading and surfacing 2.704 mi. State Trunk Line Rd. 13-23A, 19,842 sq.yd. gravel. G. C. Dillman, ch. engr.

Wis., Oconto—Aug. 19, by P. Meeusen, city clk., grading, curbing and paving 17,000 sq.yd. Superior Ave., concrete or vibrolithic. Noted July 10.

Ia., Des Moines — Aug. 18, by City Council at office of A. E. McGlothlen, city clk., paving and curbing 50th St. from Douglas Ave. to north line of Senga Pl., sheet asphalt, asphaltic concrete, Portland cement, concrete bitulithic, vibrolithic or No. 1 vitr. brick. C. M. Garver, mayor.

Ia., Nashua—Aug. 26, paving 30,000 sq.yd. various streets. R. B. Slippy Eng. Corp., 406 Lafayette Bldg., Waterloo, engrs.

Kan., Anthony—Sept. 4, by Clerk Harper Co., grading and sand clay surfacing 12.847 mi. Federal Aid Project 206-A, 38,084 cu.yd. excav., 1,900 cu.yd. borrow, 418 cu.yd. concrete, 1,082 lin.ft. 15- to 24-in. corrugated metal pipe, 656 lin.ft. 24- and 30-in. rein.-con. pipe, 30,130 lb. reinforcing, etc. Eidmann & Marshall, Smith Bldg., Topeka, engrs. Noted July 24.

Kan., Anthony—Sept. 4, by Clerk Harper Co., improving 5.524 mi. Federal Aid Project 209-A, 13,575 lb. reinforcing, 264 ft. corrugated metal pipe, 384 ft. rein.-con. pipe, 12,177 cu.yd. sand clay, etc. A. E. Askins, co. engr.

Kan., Minneapolis—Aug. 22, by Clerk Ottawa Co., improving 3.526 mi. Federal Aid Project 254-A, 24,304 cu.yd. earth and 1,859 cu.yd. rock excav., 1,915 ft. hedge, 2,768 ft. guard rail, 26,585 lb. steel, 5,721 cu.yd. borrow; also 2 bridges on above, 420 cu.yd. excav., 307 cu.yd. concrete, 23,701 lb. reinforcing 21,040 lb. structural steel. L. R. Miller, Minneapolis, engr. Noted June 12.

Kan., Scott City—Aug. 29, by Clerk Scott Co., improving 6 mi. Federal Aid Project 248-A, 1,568 lb. steel, 15,840 cu.yd. sand clay 5 mi. haul, 300 lin.ft. 18 and 24 in. corrugated metal pipe, etc. F. R. Robb, co. engr. Noted July 24.

Kan., Topeka—Aug. 19, by D. A. Graham, clerk Shawnee Co., 2½ in. bituminous macadam resurfacing 2 mi. West 10th St. Rd., 18 ft.

Tex., Austin—Sept. 2, by G. S. Mathews, judge Travis Co., grading and bridging 7 mi. Pflugerville Rd., 31,479 cu.yd. roadway and 26,063 cu.yd. borrow excav., 26,841 lbs. reinforcing, $26,000. O. Leonard, Co. engr.

Tex., Floresville—Wilson Co. taking bids bituminous topping on gravel and crushed rock 12.12 mi. State Highway 18, Federal Aid Project 440-A, 16. ft. $209,500. F. E. Hess, Medical Arts Bldg., Dallas, engr. Noted July 3.

Tex., Jasper—Aug. 21, by A. D. Hancock, judge Jasper Co., improving 9.1 mi. State Highway 8, Federal Aid Project 350, 16 ft., 33,808 cu.yd. excav., 12,586 cu.yd. borrow, 66,947 lb. reinforcing, 18,978 cu.yd. gravel, etc. $150,740. C. P. Hunter, co. engr.

Okla., Wewoka—Aug. 25, by D. R. Fraser, city clk., grading and paving 7 blocks Main, Walnut, Wewoka and Seminole Sts., 11,450 sq.yd. virtical fibre brick, 5,820 lin.ft. curbing, 4,500 cu.yd. earth and 140 cu.yd. rock excav. $56,859. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr. Noted Aug. 7.

Colorado—Aug. 21, by State Highway Dept., Denver, grading and gravel surfacing 23,100 sq.yd. road west of Walsenburg and extending west toward La Veta, Hufano Co., $25,000; also 32,200 sq.yd. road extending east from Monte Vista, Rio Grande Co., $25,000. L. D. Blauvelt, State Office Bldg., Denver, engr.

Nevada—Aug. 20, by State Hy. Comn., Carson City, improving, 9.63 mi. highway from Yerington to point 9½ mi. east thereof, Lyon Co., 31,500 cu.yd. unclassified excav. 2,505 sta. yd. overhaul, 9.63 mi. prepare subgrade and shoulders, 13,800 cu.yd. load and screen gravel, 60,000 yd. mi. haul gravel, 13,800 cu.yd. spread gravel, 512 lin. ft. 15 to 24 in. corrugated metal pipe, etc. G. W. Borden, highway engr.

Nevada—Aug. 20, by State Hy. Comn., Carson City, improving 11.57 mi. highway from 11th St. city of Ely to McGill, White Pine Co., 41,400 cu.yd. unclassified excav., 8,620 sta. yd. overhaul, 11.57 mi. prepare subgrade and shoulders, 23,130 cu.yd. load and screen gravel, 26,550 yd. mi. haul gravel, 23,130 cu.yd. spread gravel, 1,438 lin.ft. 15 to 30 in. corrugated metal pipe, etc. G. W. Borden, highway engr.

Nevada—Aug. 20, by State Hy. Comn., Carson City, improving, 0.58 mi. highway from 1st to 11th Sts., city of Ely, White Pine Co., 1,400 cu.yd. unclassified excav., 0.58 mi. prepare subgrade and shoulders, 6,120 sq.yd. cement concrete pavement, 1,000 cu.yd. gravel and 500 cu.yd. sand at the mixer, etc. G. W. Borden, highway engr.

Nevada—Aug. 20, by State Hy. Comn., Carson City, improving 8.47 mi. highway from Golconda to point 8.5 mi. east thereof, Humbolt Co., 51,100 cu.yd. unclassified excav., 22,109 sta. yd. overhaul, 6.56 mi. prepare subgrade and shoulders, 3,250 cu.yd. crushing, screening and loading rock, 2,650 yd. mi. hauling crushed rock, 3,250 cu.yd. spreading crushed rock, 4,200 cu.yd. loading and screening gravel, 7,350 yd. mi. hauling gravel, 4,200 cu.yd. spreading gravel, 1,256 lin.ft. corrugated metal pipe, etc. G. W. Borden, highway engr.

Calif., Burbank—Taking bids grading, oil macadam paving, concrete curbs and sidewalks on 1,000 ft., Cedar and San Jose Aves.; oil macadam paving, and concrete sidewalks on 1,300 lin.ft., Tujanga Ave.; grading and oil macadam paving 1,300 lin. ft. Pass Ave. A. J. Rose, city engr.

Calif., Los Angeles—Supervs. Los Angeles Co. taking bids improving 1.53 mi. Hawthorne Ave. between cities of Inglewood and Hawthorne, 8,700 cu.yd. excav., 21,565 sq.yd. shaping, 21,565 sq.yd. concrete paving, 7,991 lin.-ft. shape shoulders. To exceed $25,000. Noted June 12.

Calif., Los Angeles—Aug. 29, by Bd. Pub. Wks. improving Burlington Ave. between 1st and 6th Sts., 13,790 sq.ft. 8 in. asphalt, 308 sq.ft. 5 in. concrete and 98,074 sq.ft. Warrenite bituminous pavement, 2,085 sq.ft. 2 in. bituminous base, 4,295 ft. curb, 15,732 sq.ft. sidewalks, 6,479 sq.ft. gutter, etc.

Quebec—Aug. 22, by J. L. Boulanger, deputy minister highways, Quebec, graveling 51,814 ft. highway in St. Jean, St. Marguerite de Blairfindis and St. Cyprien de Napierville Parishes. A. Fraser, ch. engr.

Ont., Essex—Aug. 18, by R. R. Brett, concrete paving Wilson Ave. $30,000. Laird & Laird, Essex, engrs.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, concrete paving 10,592 ft. highway in Seekonk, from J. McCormick, East Providence, R. I., $119,436; bituminous macadam paving 10,037 ft. highway in Methuen, from T. G. Jewett, Jr., Inc., New Bedford, $78,697, 24,000 ft. highway in Hanson, also graveling 2,000 ft. highway in Norfolk, from Washburn & Sheridan, East Taunton, $11,992 and $4,835 respectively; bituminous macadam paving 6,600 ft. in Barree, from A. D. Bridges & Sons, Hazardville, Conn., $58,467; graveling 4,100 ft. in East Bridgewater from A. McCordick, 825 Central St., East Bridgewater, $8,373, rein.-con. beam bridge in Bridgewater and Middleboro, from W. F. Barker, Taunton, $19,408. Noted July 31.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Streets and Roads (Continued)

Aug. 4, from Welsh Bros. Contg. Co. 32 Queens St., Astoria, grading, curbing and sidewalks on Armand Pl. $3,979, Skillman Ave. $15,993, 126th St. $3,255, from J. J. O'Brien Jr., William St., Jamaica, New York Blvd. $2,998, from Interstate Contg. Co., 154 Nassau St., New York, Nicholls St. $6,300, Tiemann Ave. $21,631, 76th St. $11,393, Nicholls St. $12,246, from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, 86th Ave. $4,102, 94th St. $13,619, from Highway Impvt. & Repair Co., Bloomfield Ave., Montclair, N. J., 96th St. $24,453, from W. P. McDonald Constr. Co., 17 West 42nd St., New York, grading, curbing, sidewalks and paving Norman St. $7,010, sheet asphalt paving 76th St. $26,725, 94th St. $14,600, 109th St. $17,970.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Aug. 6, from W. P. MacDonald Constr. Co., 17 West 42nd St., New York, grading, curbing and sidewalks on Brady St., $10,676, recurbing reflagging and asphalt paving Singer St. $11,060; from Welsh Bros. Contg. Co., 32 Queens St., Astoria, grading Caspian Ave. $5,996; from A. Pegno, 380 Freeman Ave., Astoria, grading, curbing and sidewalks Grout Ave. $16,451, Ditmars Ave. $15,184, Van Pelt Ave. $10,985; from Interstate Contg. Co., Havemeyer St. $7,510, and Lefferts Blvd. $34,293, from C. Kurth, 9519 126th St., Richmond Hill, Lefferts Ave. $14,437, 104th St. $27,400, 113th St. $13,802, from R. A. Hess, Inc., 14 Queens St., Astoria, Vandeventer Ave. $2,193, Tory St. $6,415, from J. Condon, 341 Cornelia St., Brooklyn, Strong St. $19,975, from Highway Impvt. & Repair Co. 501 Bloomfield Ave., Montclair, N. J., Palmetto St. $9,134, from Peace Bros. Inc., 57 North Laurence St., Flushing, Waldron St. $17,825, from Kennedy & Smith Inc., 93 Amity St., Flushing, 122nd St. $4,810. Noted July 31.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Aug. 5, sidewalks underneath Pelham Bay Park Sta., from P. Castelli, $3,191; grading, curbing and sidewalks on Needham Ave., from T. Di Roma, $18,533; sheet asphalt paving Grand Blvd., from L. De Minna, 2366 Lorrilard Pl., $8,550; asphalt repaving East 157th St., from Regan Towers Co., 124 West 121st St., $12,626, Tinton Ave., from Brusstar Constr. Co., Harlem River and 150th St., $15,515. Noted July 31.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., granite block repaving Jersey St., from Colgan & Colgan, 324 Jay St., Brooklyn, $38,951. Noted July 31.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, Aug. 6, concrete curbing, etc., on Old Town Rd. and Louis St., etc. from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $10,000 and $3,300 respectively. Noted July 31.

Pennsylvania—State Dept. Hys., Harrisburg, **(R. Means Route)** rein.-con. surfacing R. 5, Lackawanna Co., from W. R. Wolfinger, Norristown, $251,701; R. 52 and 53, Cambria Co., from Vipond, Strite & Moore, Hollidaysburg, $71,681; R. 360, Chester Co., from R. L. Bonham Co., Bridgton, N. J., $159,925; R. 222, Cambria Co., from Torquato Bros. Co., 1317 Midway St., Windber, $29,693; R. 333, York Co., from Ambler Davis Co., Harrison Bldg., Phila., $432,107. Noted July 24.

Pa., Pittsburgh — Repaving Charters Ave., from Booth & Flinn, Ltd., Forbes St., $35,199. Engrs. est. $40,000.

Maryland—State Hy. Dept., Baltimore, asphalt paving 24,000 sq.yd. Park Ave. from Monument to Richmond Sts. and North Ave. from Harford to Greenmount Aves., from P. Flanigan & Son, Harford Rd. & Baltimore & Ohio R.R., $67,159.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 7.23 mi. Minden-Homer Highway, State Project 397, from Meyer-Greenwald Co., Monroe, $75,947, State Project 148A, Bernice-Junction Highway from Alexandria Contg. Co., Alexandria. $72,016, Caldwell Parish Bridge over Quachita River from Austin Bridge Co., Dallas, Tex., $20,066.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, 8 mi. Monroe-Leesville Highway, Sabine Parish, from Byrd & Clopton, Morrow, $57,281.

Ill., Waukegan—Bd. Local Impvts., paving South Victory St., rein.-con., from Western Impvt. Co., 1705 Sheridan St., $26,026.

Ark., Marianna—Lee Co., grading and graveling 4,148 mi. Federal Aid Project 190-A, 18 ft., from W. D. Banker Constr. Co., 1041 North Parkway, Memphis, Tenn., $30,354. Noted Feb. 21.

Tex., Houston—Paving Jackson St. from Pierce to Tuam Sts., from S. Shambaugh, Cotton Exch. Bldg., rock asphalt $26,566; from Gulf Bitulithic Co., Bankers Mortgage Bldg., bitulithic $27,062; from Smith Bros., Amer. Exch. Natl. Bank, Dallas, asphaltic concrete $27,643.

Tex., Rock Springs—Edwards Co. grading and crushed and sledged stone surfacing 9.77 mi. State Highway 41, 16 ft., from Montgomery & Pirie, Alamo Bank Bldg., San Antonio, $111,404. Engrs. est. $125,772.

Colorado—State Hy. Dept., Denver, July 29, graveling 7.507 mi. Federal Aid Project 210-B, Garfield and Mesa Counties, from Winterburn & Lumsden, Grand Junction, $94,268, engrs. est. $164,165, 2.172 mi. Federal Aid Project 269-A, Montezuma Co., from Engler & Teyssier, Durango, $21,216, engrs. est. $25,752; grading 1.814 mi. State Project 886, Clear Creek Co., from E. H. Honnen, Colorado Springs, $32,286, engrs. est. $30,000. Noted July 24.

Wash., Seattle—Bd. Pub. Wks., from R. G. Stevenson, 1327 North 34th St., improving Meridian Ave., et. al., 2,150 cu.yd. earth excav., at $0.60 per cu.yd., 5,050 lin.ft. concrete curbing $0.30, 8,550 sq.yd. 6 in. concrete paving $1.60, total $26,367. Engrs. est. $29,135.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving 5th St. between Grand Ave. and Flower St., 37,700 sq.ft. grading and paving with 7 in. bituminous base at $0.24 per sq.ft., 1,000 sq.ft. 6 in. concrete paving $0.26, 1,200 sq.ft. bituminous base pavement of various thicknesses $0.20, 1,600 ft. curbing $0.65, 625 sq.ft. sidewalks $0.22, 2,600 sq.ft. gutter $0.26.

Calif., Los Angeles — Improving Crenshaw Blvd. between Washington and Adams Sts., from J. L. McLain, 3452 West Slausson Ave., grading, total bid $2,323, 160,196 sq.ft. concrete paving at $0.20 per sq.ft., 3,689 sq.ft. remodel oil surface $0.07, 5,745 ft. curbing $0.60, 713 sq.ft. sidewalks $0.20, etc., total approximately $43,365.

Calif., Los Angeles—Supervs. Los Angeles Co. improving Hawthorne Ave. between cities of Hawthorne and Inglewood, 8,790 cu.yd. excav., 21,565 sq.yd. shaping, 21,565 sq.yd. concrete pavement, 7,991 lin.ft. shape shoulders, from Griffith Co., Railway Bldg., $45,900. Noted Aug. 14.

CONTRACTS AWARDED

Vt., Rutland—State Hy. Comn., Montpelier, concrete paving 1 mi. Rutland-West Rutland Rd., to J. E. Flood, Hudson Falls, N. Y., $80,776. Engrs. est. $85,000.

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadam paving, 22,540 ft. highway, 18 ft., in Amherst and Belchertown, to Lane Constr. Corp., Old Colony St., Meriden, Conn., $165,266. Noted Aug. 7.

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, bituminous macadam paving 4,600 ft. highway in Canton, to Reynolds Bros., Inc., 179 Summer St., Boston, $25,659, 3,000 ft. highway in Danvers, to Welch & Moynahan, 15 Front St., Salem, $20,437; bituminous concrete paving 7,924 ft. highway, 18 ft., in Plymouth, to M. F. Roach, Bridgewater, $30,612, 9700 ft. highway in Mashpee and Sandwich to Gould & Spencer, West Acton, $34,382. Noted July 24.

Conn., Farmington—Constructing cement road, to J. Mascetti, 223 Oak Ave., Torrington, $82,771. Engrs. est. $85,000.

Conn., Hartford—Laying concrete walks and drives in and around properties owned by St. Josephs Church Corp., on Farmington and Asylum Aves., to W. T. Ryan & Sons, 137 Barker St. Engrs. est. to exceed $25,000.

N. Y., Amherst—Constructing 6½ mi. Sheridan Dr., concrete, to H. Meyers & Co., Amherst, $1,000,000.

N. Y., Binghamton—Bd. Contr. & Supply, bitulithic paving Court and Water Sts., to Municipal Constr. Co., U. C. N. Bank Bldg., Utica, $54,242 and $26,700 respectively.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to W. E. Carberry, 45 South Elliott Pl., grading, curbing and flagging East 8th St., $4,058; to Uvalde Asphalt Paving Co., 1 Bway., New York, asphalt paving East 8th St., $10,120, Ave. K, $17,855, Prospect Pl. $9,092; to Cranford Co., 52 9th St., Ovington Ave. $1,954, 10th Ave. $11,674, and 73rd St. $8,311.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, to Cranford Co., 52 9th St., curbing, paving and repaving with sheet asphalt Cortelyou Rd., $3,853, East 19th St. $20,432, East 31st St. $9,547, Tompkins Ave. $20,575, 45th St. $8,145, 87th St. $5,026 and 61st St. $19,924, to Cleveland Trinidad Paving Co., Flushing, East 15th St. $10,260, Utica Ave. $18,777, East 29th St. $23,989; to F. Persicano, 350 Fulton St., grading, curbing and flagging East 27th St. $3,997, East 35th St. $3,682, East 19th St. $8,028, East 27th St. $3,042, 45th St. $4,644; to Galco Contg. Co., 745 Dean St., East 7th St. $4,515, East 31st St. $3,021; to Grimm Contg. Co., 170 McKinley St., Beverly Rd. $2,500, to F. Mandatto, 11th St. $1,976; to F. J. Gallagher, 490 Park Pl., grading and granite paving Troy Ave. $17,030, Utica Ave. $46,389; to C. Bennett Contg. Co., 414 Rutland Rd., grading Ave. V, $4,326; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave. asphalt paving West 8th St. $17,032, 5th Ave. $76,203, Ave. N $43,222; to Uvalde Asphalt Paving Co., 1 Bway., New York City, 36th St. $5,710, East 27th St. $8,920, Sheffield Ave. $9,298; to E. F. Monohan, 1921 Morris Ave., New York, grading strip to 40 ft. wide on Gerritsen Ave. $23,746; to J. J. Guinan Contg. Co., 2314 Gravesend Ave., curbing and bituminous macadam paving Ave. L $9,841. Noted July 17.

N. Y., Cohoes—Paving 0.75 mi. road from Central to Amity Sts., 30 ft., redressed medina sandstone, to S. Scullen, Cohoes, $41,936. Engrs. est. $50,000.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing. I. F. Cavaluzzo, 1538 Walton Ave. and West 196th St., $22,378; repaving with granite blocks to Asphalt Constr. Co., 208 Bway., to John St. $10,626, Reade St. $35,099, Lispenard St. $26,644, 5th St. $14,895; sheet asphalt repaving to Uvalde Asphalt Paving Co., 1 Bway., 57th St. $2,500; widening, sheet asphalt repaving to W. J. Fitzgerald, 547 West 45th St., Lexington Ave. $109,509; to Casper Helbock, Inc., Harlem River and 150th St., repairing wood block and oak key block in railroad area when and where directed, $50,600. Noted July 17.

N. Y., Troy—Bitulithic paving 0.88 mi. Park Blvd., 32 ft., to Fitzgerald Bros. Constr. Co., Proctor Bldg., $40,521. Engrs. est. $50,000.

N. J., Flemington—Hunterdon Co., resurfacing 3½ mi. Frenchtown-Flemington Rd., waterbound macadam, to Sigafoos & Poore, Riegelsville, Pa., $39,674. Noted July 31.

N. J., Toms River—Bd. Freeholders Ocean Co., paving New Egypt-Lakewood Rd., to R. B. Cahill & Co., Newark, Sect. 3 $34,392, Sect. 4 $98,856. Noted July 3.

Pennsylvania—State Hy. Dept. Harrisburg, **(R. means Route and A. Application)** rein.-con. surfacing 52,773 sq.yd. R. 31, Perry Co., to Union Paving Co., 30th and Locust Sts., Phila. $3.39 per sq.yd. total $339,936; 18,269 sq.yd. A. 2753, Beaver Co., to Burns Bros., New Castle, $3.45 to $3.60, total $132,943; 69,700 sq.yd. R. 247, Alleghany Co., to Johnson, Drake & Piper, Erie, $3.39 to $3.50, total $333,219; 22,651 sq.yd. R. 50, A. 2731, 2732 and 2733, Somerset Co., to W. H. Wilkey, Uniontown, $3.30, total $145,472; 9,304 sq.yd. A. 1788, Warren Co., to Du Bois Constr. Co., Du Bois, $3.60, total $46,426. Noted July 24.

Pa., Phila. — Bureau Hys., Dept. Pub. Wks., grading Ellet St., to F. Mark Contg. Co., 2820 North 21st St., $14,523, Sansom St., to A. Boylan, 5147 Lancaster Ave., $333, Woodstock, Woolston and Wyncote Sts., to J. F. Nolen & Sons, 64 Church Lane, $7,308; asphalt paving Beechwood St., to Barber Asphalt Co., 239 North 30th St., $4,519, Sedgwick St., to Eastern Paving Co., 401 Colonial Trust Bldg., $6,719; improving Arthur, Cottage, Montour and Somerton Rds., to Curtis Bros., State Rd. and Unruh St. $16,562; asphalt paving 55th St. and country road improving Holstein and 82nd Rds., to Union Paving Co., 30th and Locust Sts., $17,321 and $7,149 respectively.

Maryland—State Rds. Comn., Baltimore, concrete paving, 0.7 mi. highway from Centreville to Centreville Landing, Contr. Q-30, Queen Annes Co., to J. W. Rehill Constr. Co., North East, $26,000.

Maryland—State Rds. Comn., Baltimore, concrete shoulders on 4 mi. Contr. M-25-B, Montgomery Co., to G. R. Abbott & Son, 3307 Bateman Ave., $43,710; graveling 6.23 mi. Contr. CH-29, Charles Co., to St. Marys Constr. Co., Mechanicsville, $56,914; concrete paving 1.3 mi. Contr. HO-48, and 1.48 mi. Contr. HO-25, both Howard Co., to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $48,839 and $36,230 respectively, 0.5 mi. Contr. WO-38, Worcester Co., to Hannemann-Burroughs Co., Salisbury, $11,623, 1.27 mi. Contr. Q-32, Queen Annes Co., to C. Webster Constr. Co., East New Market, $18,975. Noted July 24.

Maryland—State Hy. Dept., Baltimore, concrete paving roads in footway Contr. 79, to A. Apicella, 224 Albemarle St., $20,201.

Maryland—State Rds. Comn., Baltimore, improving 2.03 mi. Kensington-Chevy Chase Lake Rd., Contr. 169-S, Montgomery Co., to S. D. Moses, 3901 Alton Pl. N. W., Washington, D. C., $22,896; gravel surfacing 1.5 mi. Huntington-Plum Point Rd., Contr. 17-C, Calvert Co., to T. Mullan, 3945 Greenmount Ave., Baltimore, $20,345, 1 mi. Clements-Leonardtown Rd., Contr. S.M.-29, St. Marys Co., to T. B. Lewis & Son, Hyattsville, $16,399; concrete surfacing 1 mi. Colesville-Ashton Rd., Contr. M-52, Montgomery Co., to Ward & O'Connell, New

Streets and Roads (Continued)

Amsterdam Bldg., Baltimore, $28,606, 0.32 mi. road at Princess Anne, Contr. S-20, Somerset Co., to Hanneman-Burroughs, Salisbury, $8,323, 1 mi. Public Landing Rd., Contr. Wo-34, Worcester Co., to J. K. Flick, Sudlersville, $33,104, 0.46 mi. Catonsville Rd., Contr. B-12-C, Baltimore Co., to P. F. Reddington, 2 East Lexington St., Baltimore, $9,047, 2 mi. Baldwin-Sweet Air Rd., Contr. B-61, Baltimore Co., to T. P. Murray, Towson, $61,843 1 mi. Calvert-Fair Hill Rd. Contr. Ce-32, Cecil Co., to J. W. Rehill, and J. W. McAllister, North East, $29,859, 1.53 mi. Lees Corner-Beallsville Rd., Contr. M-51, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, $46,816, 1.5 mi. Mt. Airy-Tailorsville Rd., Contr. Cl-51, Carroll Co., to Gosnell, Russell & Co., Frederick, $36,800, 0.73 mi. Mardella Rd., Contr. WI-28, Wicomico Co., to P. D. Phillips & Bros., Salisbury, $17,-454, 1.3 mi. Uniontown Rd., Contr. Cl-52, Carroll Co., and 0.77 mi. Libertytown Rd., Contr. Cl-50, Carroll Co., also concrete shoulders on 3.73 mi. Liberty Rd., from North Branch to Eldersburg, Contr. 295-A, to Thomas, Bennett & Hunter, Westminster, $39,069, $21,863 and $39,300 respectively. Noted July 17.

Md., Baltimore—Grading, curbing and asphalt paving 33,600 sq.yd. streets listed in Contr. 262-OANA, to Amer. Paving Co., Montblo St., $150,010.

W. Va., Morgantown — Grading and paving Grant and Monongahela Aves., to Cole Bros. Constr. Co., Morgantown, $39,371.

W. Va., Moundsville—Marshall Co., grading and paving 1½ mi. Denver Rd., to Keeley Constr. Co., Clarksburg, W. Va., $43,445.

Fla., Madison — Curbing, guttering and 65,000 sq.yd. concrete paving various streets to Inglis Constr. Co., Madison, $177,128.

Fla., Tampa — Granite curbing and asphalt block paving portion of McKay and Harbar Sts., to Cone Bros., Tampa $30,740. Noted July 10.

Fla., Tampa—Amesite paving, etc., portion of Sunset Blvd. and North Dundee St., to W. P. McDonald Constr. Co., Tampa and Lakeland, $30,705.

Miss., Jackson—Grading and vibrolithic paving 22 blocks various streets, to Dunn Constr. Co., Jackson, at $2.58 per sq.yd. Noted Jan. 3.

Miss., New Albany—Union Co., grading and surfacing 5.232 mi. Federal Aid Project 169-A, 18 ft., to Nixon & Phillips, New Albany, $23,586. Noted Aug. 7.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, grading 7.74 mi. New Roads-Simmesport Rd., Project 89 C, to J. M. Bass, Hazelhurst, Miss.

La., Lake Charles—Grading and concrete surfacing approximately 60,500 ft. various streets, to H. S. Sealy, New Iberia, $54,740. Noted March 20.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, graveling 5.232 mi. Tupelo-Memphis Rd., Federal Aid Project 169, Union Co., to Nixon & Phillips, New Albany, Miss., $23,586.

Kentucky—State Hy. Dept., Frankfort, concrete surfacing 4.19 mi. Covington-Falmouth Rd., 18 ft., State Project 62-E, Kenton Co., to Eberbach Constr. Co., Pomeroy, O., $165,073; grading 5.289 mi. Paintsville-Prestonberg Rd., 24 and 28 ft., State Project 6-B, Johnson Co., to Walton, Sudduth & Waugh, Fayetteville, W. Va. $106,384. Noted June 26.

Ohio—Dept. Highways and Pub. Wks., Columbus, to D. A. Phillips, Ashland, grading, bridging and paving 2.565 mi. Sect. Cl and 1.434 mi. Sect. H, Ashland-Oberlin Rd., Ashland Co., brick, $125,034 and $71,-601 respectively, to Craig and Jordan, Blanchester, 3.331 mi. Sect. G Columbus-Cincinnati Rd., Butler Co., bituminous macadam, tar, $99,041, to E. Hine & Son, Harrison, 4.39 mi. Sect. A, Carthage-Hamilton Rd., Butler Co., concrete, $108,824, to Highway Constr. Co. West 12th and Madison Sts., Cleveland, 1.88 mi. Sect. K-1, Cleveland-East Liverpool Rd., Cuyahoga Co., brick, $82,959 and $26,659, 2.259 mi Sect. Bedford, Cleveland-East Liverpool Rd., Cuyahoga Co., brick, $98,096 and $34-554, to H. R. Brown, Rayland, 3.105 mi. Sect. A, Wellsville-Salineville Rd., Columbiana Co., concrete, $32,488, to W. M. Keesecker, Youngstown, 1.861 mi. Sect. B-2, Wellsville-Salineville Rd., Columbiana Co., concrete, $61,082, to Lewis & Copeland, Defiance, 4.302 mi. Sect. A-1, Lancaster-Logan Rd., Fairfield Co., brick, $167,600, to Reedy Bros., Warren, 2.808 mi. Sect. B, Painesville-Ravenna Rd., Geauga Co., bituminous macadam, asphalt, $75,264, to Frost Constr. Co., Findlay, 1.85 mi. Sect. C, Ottawa-Findlay Rd., Hancock Co., concrete and stone, $51,900, to C. and C. Constr. Co., Greenfield, 1.985 mi. Sect. B-2, Ripley-Hillsboro Rd., Highland Co., bituminous macadam, asphalt, $52,276, to Ebersbach Co., Pomeroy, 5.946 mi. Sect. K, Jackson-Ironton Rd., Jackson Co., concrete, $188,538, 7.343 mi. Sect. G, Marietta-Athens Rd., Washington Co., concrete, $198,092, sub-base experimental work in Sect. G, Marietta-Athens Rd., Washington Co., $1,754, to Acton Bros., Vaughnsville, 2.576 mi. Sect. H, Barberton-Greenwich Rd., Medina Co., bituminous macadam, tar, $52,326; to Homeberger-Wagner Co., Camp and Fillmore Sts., Sandusky, 2.919 mi. Sect. P, Ashland-Medina Rd., Medina Co., concrete, $80,900, to C. A. Baker Co., Columbus, 3.3 mi. Sect. G-2, Columbus-Wooster Rd., Wayne Co., bituminous macadam, tar, $103,138; to G. J. Geigle, Columbus, resurfacing 4.805 mi. Sect. G, Circleville-London Rd., Pickaway Co., stone, $13.440.

O., Akron—Grading, paving, laying sidewalks and sewers, in 1,490 sq. yd. Dorchester Ave., to T. E. McShaffrey Constr., 171 South Forge St., $16,443, engrs. est. $19,222; grading, repaving, sidewalks and widening 14,745 sq.yd. West Market St., to Thorpe Constr. Co., 3280 Scranton Rd., Cleveland, $75,063, engrs. est. $79,770. Noted July 10.

O., Cleveland—Improving East 106th St., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $6,319; East 91st St., to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland Heights, $10,151; Tarlton Ave., to Roehl Bros., 7002 Dennison Ave., $15,773. Work involves 2,655 sq.yd. vitr. brick, 8,650 sq.yd. asphalt, 7,230 lin.ft. stone curbing, 15,140 lin.ft. 4 in. drain tile gutter, 11,305 sq.yd. concrete base. Noted July 31.

O., Cleveland—Improving Gray Ave., to H. G. Herring, Powers Exch., $4,023, Linn Dr., to River Constr. Co., 2402 Mapleside Rd., $21,494. Work involves 8,540 sq.yd. asphalt, 4,550 lin.ft. stone curbing, 6,280 lin.ft. 4 in. drain tile gutter, 5,830 cu.yd. earth excav. Noted July 3.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Knight & Wells, 483 Oak St., grading, laying necessary water services and sewers connections, and paving 1,830 ft. Willshire Ave., 24 ft., $12,293, 1,374 ft. Chase Ave., 26 ft., $11,559, both asphalt, 480 ft. Cole St., 26 ft., $3,239; to Yale Constr. Co., 146 Yale Ave. 537 ft. alley west of Adams Ave. 20 ft., $1,461, 1,889 ft. alley north of Broad St., 15 ft., $3,640, both concrete; to J. O. Jones, 304 Wesley Blk. 285 ft. alley north of Tappen St., 15.42 ft., $630, 445 ft. alley west of Hamilton Ave., 16 ft., $1,051, both concrete; to Franklin Asphalt Paving Co., 209 South High St., 1,635 ft. Chase Ave., 24 t., $10,236, 1732 ft. Richardson Ave., 26 ft., $11,381, 1,127 ft. 5th Ave., 40 ft., $7,310, 3,111 ft. Oakwood Ave. 30 ft., $28,067, all asphalt; to Cleveland Trinidad Paving Co., Grand Theatre Bldg., 1,423 ft. Burgess Ave., 26 ft., $11,-204, 1,264 ft. Warren St., 24 ft., asphalt, $9,526; to R. J. Dienst 480 South 5th St., 1,332 ft. Ogden Ave., 24 ft., brick, $13,223. Noted July 10.

O., Dayton — Montgomery Co., paving 9,000 sq.yd. Wilmington Pike, vitr. brick on concrete, to H. F. Barney & N. F. Dill, Dayton, $33,961. Engrs. est. $38,000. Noted Jan. 31.

O., Dennison—Resurfacing Center, 3rd and 1st Sts., to Federal Asphalt Paving Co., Main and D Sts., Hamilton, $26,505, $39,704 and $26,354 respectively. Noted July 24.

O., Dover—Trinidad asphalt paving 5/6 mi. 4th St., 30 ft., to C. G. Fuller, Dover, $67,416. Engrs. est. $70,000.

O. Massillon — Improving Cherry St., brick, and Plum St., asphalt, to General Asphalt Paving Co., 1268 Dueber Ave. S. W., Canton, $27,912 and $26,340 respectively, engrs. est. $30,000 each; North Mill St., brick, to Elmer Vogt Paving Co., Massillon, $25,905, engrs. est. $27,000.

O., Ravenna—Portage Co. improving 1½ mi. road north from Atwater Center to Edinburg Line, 20 ft., to D. B. Proehl, Ravenna, $30,522. Engrs. est. $30,000.

O., Toledo — Lucas Co., grading and bituminous macadam resurfacing 40,000 sq. yd. Sylvania-Alexis Rd., to L. J. Beuscoter. Swanton, $54,349; grading and concrete paving 29,779 sq.yd. in Old Orchards Addition, to Continental Bitumen Co., 2463 Bway., $169,783, 24,500 sq.yd. in Deveaux Park, to G. L. La Boiteaux, Spitzer Bldg., $96,057; vitr. brick paving 43,600 sq.yd. Bancroft St., to S. E. Johnson, Terminal Bldg., $244,596; concrete paving 32,000 sq. yd. in Homeville Addition, to P. Garrigan & Son, Valentine Bldg., $166,748; paving 3,000 sq.yd. North Curtice Rd., concrete and 7,500 sq.yd. Wynn Rd., bituminous macadam, to T. P. Garrigan Co., St. Clair St., $11,149 and $19,498 respectively.

Ind., Marion—Grant Co., concrete paving Barr and Ackley Rds., to E. M. Curtis, Muncie, $77,449 and $65,419 respectively.

Michigan — State Hy. Dept. at office Comrs. Washtenaw Co., Ann Arbor, grading and surfacing 0.52 mi. State Trunk Line Rd. 92-2, 6,882 sq.yd. concrete, to J. H. Lowe, Kalamazoo, $22,4[illegible]

Michigan — State Hy. Dept., at office Comrs. Benzie Co., Frankfort, grading and surfacing 0.923 mi. State Trunk Line Rd. 22-15, 10,794 sq.yd. concrete, to Marsman & Tabor, Grand Rapids, $31,512. Noted July 10.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.06 mi. State Trunk Line Rd. 53-10, Lapeer Co., 18,041 sq.yd. sheet asphalt on concrete, to Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, $65,520.

Michigan — State Hy. Dept., Lansing, grading and surfacing 2.98 mi. Assessment Dist. 429, Branch Co., 15,738 sq.yd. gravel, to C. Flint and D. E. Boad, Hillsdale, $19,-07, 1.988 mi. State Trunk Line Rd. 14-40, Jackson Co., 23,331 sq.yd. concrete, to Willite Road Constr. Co., Union Trust Bldg., Detroit, $66,261, 2.25 mi. State Trunk Line Rd. 14-58, Jackson Co., 31,658 sq.yd. concrete, to Brooks Constr. Co., 1123 Barthold St., Ft. Wayne, $105,788.

Michigan—State Hy. Dept., Lansing, will grade and surface 1.907 mi. Federal Aid Project 75 A, 23,017 sq.yd. concrete, and 6.559 mi. State Trunk Line Rd. 17-20 B, 76,686 sq.yd. concrete, both Jackson Co., by day labor. G. C. Dillman, ch. engr.

Michigan — State Hy. Dept. at office Comrs. Calhoun Co., Marshall, grading and surfacing 0.995 mi. State Trunk Line Rd. 60-6, 15,791 sq.yd. concrete, to Dovey Paving Co., Batavia, $28,902. Noted July 24.

Michigan—State Hy. Dept., at office Comrs. Sanilac Co., Sandusky, shaping and surfacing 5.754 mi. State Trunk Line Rd. 27-12 C. and 4.924 mi. State Trunk Line Rd. 27-12 A, to D. Steele, Bad Axe, $47,219 and $40,251 respectively. Noted July 10.

Michigan — State Hy. Dept. at office Comrs. Sanilac Co., Sandusky, grading and surfacing 1.37 mi. Federal Aid Project 94A, 14,500 sq.yd. concrete, to Deckerville Constr. Co., Deckerville, $64,445. Noted July 10.

Mich., Detroit—To McKenna Trucking Co., 3559 Holcomb Ave., paving 1,760 sq. yd. Alley 1893 $4,370, 1,730 sq.yd. Alley 1985 $4,326, 990 sq.yd. Alley 1992 $2,546, 3,410 sq.yd. Alley 1993 $8,542, 3,070 sq.yd. Alley 1994 $7,220, 1,990 sq.yd. Alley 1998 $4,988, 430 sq.yd. Alley 1999 $1,081; to C. W. Shephard Co., 4220 Maxwell Ave. 1,880 sq.yd. Alley 1984 $4,779; to Otis Cement Constr. Co., 806 Hammond Bldg., 1,500 sq.yd. Alley 1986 $3,874, 1,550 sq.yd. Alley 1987 $4,372, 520 sq.yd. Alley 1988 $1,805, 1,200 sq.yd. Alley 1996 $3,125; to Bishop & Weir, 1305 Lafayette Bldg., 580 sq.yd. Alley 1989 $1,730, 1,400 sq.yd. Alley 1990 $4,614, 2,180 sq.yd. Alley 1991 $5,454, 2,000 sq.yd. Alley 1995 $5,063, and 1,100 sq.yd. Alley 1997 $2,989.

Ill., Chicago—Improving 3,300 ft. East and West 111th Sts., 1,250 sq.yd. granite block, 9,900 sq.yd. sheet asphalt, 6,600 lin. ft. curb and gutter, 2,000 sq.ft. concrete sidewalks, 5,400 cu.yd. excav., etc., to Amer. Asphalt Paving Co., 133 West Washington St., $82,661; 15,540 ft. St. Lawrence Ave., 53,300 sq.yd .asphaltic macadam on slag, 30,900 lin.ft. concrete curb and gutter, 3,000 sq.ft. concrete sidewalks, 22,500 cu.yd. excav., 1,090 ft. 10 in. sewers, 700 ft. tile pipe, etc., to Farr Bros. Co., 356 West 111th St., $305,161; 11,600 ft., Paxton Ave., 37,000 sq.yd. sheet asphalt, on concrete, 23,235 lin.ft. curb and gutter, 4,000 sq.ft. concrete sidewalks, 10,500 cu. yd. excav., 1,160 ft. 10 in. sewers, 1,224 ft. tile pipe, etc., to Calumet Coal Co., 9022 Commercial Ave. $213,607; 3,500 ft. Hayne Ave., 11,300 ft. sheet asphalt on concrete, 7,000 lin.ft. concrete curb and gutter, 1,500 sqft. sidewalks, 2,900 cu.yd. excav., 420 ft. tile pipe, etc., to R. F. Conway Co., 844 Rush St., $64,861; 1700 ft. Indiana Ave., 650 sq.yd. granite block, 5,100 sq.yd. concrete, 3,400 lin.ft. concrete curb and gutter, 1,000 sq.ft. concrete sidewalks, 2,600 cu.yd. excav., etc., to Smith & Brown Co., 128 North La Salle St. $43,937; 16,000 ft. Richmond St., 53,300 sq.yd. sheet asphalt on concrete, 32,500 lin.ft. concrete curb and gutter, 7,500 sq.ft. concrete sidewalks, 630 ft. 8 and 10 in. sewers, 1,850 ft. tile pipe, etc., to White Paving Co., 150 South Wells St., $295,482.

Ill., Galesburg—Bd. Local Impvts., City Hall, improving North Prairie St., 2,745 sq.yd. vitr. brick on concrete, 2,060 lin. ft. combined concrete curb and gutter, 1,740 cu.yd. excav.; also 3 blocks South Cedar St., 3,260 sq.yd. vitr. brick on concrete, 2,240 lin.ft. combined concrete curb and gutter, 7,000 cu.yd. excav., to Graham-King Constr. Co., 550 South Cedar St., $11,-132 and $13,182 respectively. Engrs. est. $11,282 and $13,551 respectively. Noted July 24.

Streets and Roads (Continued)

Wis., Racine—Rein.-con. paving North Main St. from Melvin to Gould Sts., to E. R. Harding Co., 400 James Blk., $37,352.

Ia., Lenox—Grading and concrete paving 15 blocks various streets, to J. S. McLaughlin & Sons, Mankato, at $2.22 per sq.yd.

Ia., Waterloo—Grading and asphalt and vibrolithic paving various streets, to Bryant Paving Co., 807 Black Hawk Bldg. $150,483.

Minn., Red Wing—Goodhue Co., grading 5.3 mi. Red Wing-Lake City Rd., State Project 3131 Federal Aid Project 283; and 15 mi. Spring Valley-Fountain Rd., State Highway 9, 187,000 cu.yd. excav., to Roach & Bergin Constr. Co., Red Wing, about $35,000.

Kan., Girard—Crawford Co., grading and feather edge chats surfacing 4.984 mi. Federal Aid Project 242-B, 4.012 mi. 242-C, and 4.012 mi., 4.018 mi. 242-D, all 18 ft., to Allhands & Davis, 705-6 Frisco Bldg., Joplin, Mo., $55,541, $47,390 and $39,476 respectively. Engrs. est. $69,018, $53,843 and $46,288 respectively. Noted July 17.

Kan., Goodland—Sherman Co., grading, surfacing, etc., 8.523 mi. Federal Aid Project 202-A, 18 ft., to Bump Constr. Co., $25,744. Noted July 10.

Kan., Howard—Elk Co., improving 3.219 mi. Federal Aid Project 237-A, 26 ft., to L. L. Beye, Eldorado, $20,986. Noted May 29.

Kan., Kansas City—Wyandotte Co., concrete surfacing 1.264 mi. road, 18 ft., to Quinlan Bros., 1204 Armstrong St., $88,530.

Kan., Olathe—Johnson Co., grading and brick on concrete surfacing 9.022 mi. Federal Aid Project 238-B, Q and D, to Cook & Stucker, Ottawa. Noted July 3.

N. D., Carson—Grant Co., grading 5 mi. Federal Aid Project 68, 41,745 cu.yd. earth and 810 cu.yd. rock excav., 3,218 cu.yd. overhaul, 296.8 cu.yd. class A concrete, 20,102 lb. metal reinforcing; also Federal Aid Project 256-A, 46,340 cu.yd. earth and 873 cu.yd. rock excav., 11,235 cu.yd. overhaul, 31,324 cu.yd. Class A concrete, 21,851 lbs. metal reinforcing, to W. L. Chapin & Son., McIntosh, $25,104 and $25,806 respectively.

Wyoming—State Hy. Comrs., Cheyenne, **(e. e. means engrs. est.)** grading, constructing 15 ft. span concrete culvert and 19 ft. trestle, on 11.7 mi., Evanston-Lyman Rd., Federal Aid Project 173A, Uinta Co., to Maney Bros., Empire Bldg., Oklahoma City, Okla., $64,230, e. e. $60,000; paving 2.9 mi. Federal Aid Project 89, 5 in. asphaltic concrete, Natrona Co., to Warren Constr. Co., Box 521, Casper, Wyo., $79,947, e. e. $100,000; grading, surfacing, and constructing one 10 ft. span concrete culvert, 161 ft. pile trestle, on 9.4 mi. Cheyenne-Torrington Rd., Federal Aid Project 167A, Laramie Co., to R. H. Randolph, Cheyenne, $41,290, e. e. $72,000.

Wyo., Casper—City Council, to Lloyd Building Co., Casper, improving Paving Dist. 39 "Sandbar Dist.," 20,600 sq.yd. 6 in. plain and 6 in. rein.-con., paving, 7,100 lin.ft., curbing, $77,034; Paving Dist. 49, 3,266 sq.yd. concrete and 6 in. asphalt paving, 1,676 lin.ft. combined curb and gutter 525 lin.ft. 27 in. storm sewer, etc., $17,018; Paving Dist. 50, 3,307 sq.yd. paving, $10,642.

Montana—State Hy. Comn., Helena, improving Federal Aid Project 202, Sanders Co., 24,230 cu.yd., earth, 11,983 cu.yd. intermediate and 11,062 cu.yd. rock excav., 18,081 stayd. overhaul, 6,111 cu.yd. crushed gravel surfacing, etc., to Melchert Constr. Co., Lewistown, $53,078.

Missouri — State Hy. Dept., Jefferson City, grading 3.541 mi. road from Delta east, Cape Girardeau Co., also 9 ft. concrete and 7 ft. gravel surfacing same, to O. Kocklitzsky, Cape Girardeau, $13,597 and $55,683 respectively.

Missouri—State Hy. Dept., gravel surfacing 3.583 mi. Annapolis-South Rd., Iron Co., to J. W. Wilson, Warrensburg, $35,036, 2.765 mi. Glasgow-Fayette Rd., Howard Co., to K. A. Raines & Co., Fayette, $28,470, 0.714 mi. Poplar Bluff-Campbell Rd., Butler Co., to L. O. Kimball, Clear Lake, Ia., $15,254, 3.189 mi. road from Bolivar west, Polk Co., to Easley Bros., Aurora, $33,424, 4.181 mi. Hamilton-South Rd., Caldwell Co., to S. J. Groves & Sons, Montreal and Cleveland Aves., Minneapolis, Minn., $30,464, 2.098 mi. road from East Prairie east, Mississippi Co., to R. Williams, Wyatt, $50,258, 3.51 mi. road from Steelville north and south, Crawford Co., to T. Birmingham, St. James, $37,243, 4.078 mi. Glasgow-Fayette Rd., Howard Co., to Stoner & Deering, Chamois, $33,279, 7.576 mi. road from Jamesport north, Daviess Co., to B. Layton, Kirksville, $70,537, 3.51 mi. road from Abyrd south, and 6.984 mi. Caruthersville-Hornersville Rd., Dunklin Co., to Oglesby, c/o Ward Wilson Co., Memphis, Tenn., $147,405; grading 0.138 mi. road from Taskee south; Wayne Co., to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, $1,821, 4.973 mi. road from Brookfield east, Linn Co., to Cook-O'Brien Constr. Co., 305 Ry. Exch. Bldg., Kansas City, $48,778, 4,938 mi. road from Brookfield east, Linn Co., to Lamoreax Bros., Omaha, Nebr., $40,002, 8.31 mi. road from Higginsville south, Lafayette Co., to A. Ross, Kansas City, $59,363, 4.356 mi. road from Butler west, to McNerney Hallett Constr. Co., Carthage $30,414, 0.825 mi. road from Brookfield east, Linn Co., to Yancey Constr. Co., Abilene, Kan., $18,413, 11.806 mi. Cuba-Bourbon Rd., Crawford Co., to Maloney & Whalen, St. Louis, $70,347; grading and concrete paving 6.019 mi. road from New Hampton east and west, Harrison Co., to Eberhardt Paving Co., Salina, Kan., $19,406 and 100,993 respectively, 5.918 mi. road from Lees Summit east, Jackson Co., to E. D. Lynes Constr. Co., Kansas City, $24,783 and $90,773 respectively, 4.938 mi. road from Lamar north and south, Barton Co., to Independent Constr. Co., Pittsburg, Kan., $20,093 and $80,606 respectively.

Mo., St. Joseph—Grading, curbing and paving Virginia St. from Lake Ave. to King Hill St., to Metropolitan Paving Co., Donnell Court Bldg., $31,186.

Ark., North Little Rock — Bituminous macadam surfacing roads, also resurfacing and patching existing roads, U. S. Veterans Hospital 78, to P. F. Connelly Paving Co., 215 East 6th St., Little Rock, $33,302.

Ark., Paris — To W. E. Harding, Ft. Smith, 7.5 mi. 3½ in. granitoid sidewalks and ½ in. finishing course, $12.60 per 100 sq.ft., and on 5 in. crossing $17.80.

Tex., Dallas—Dallas Co., bituminous surfacing 3½ mi. Cedar Hill-Ellis Co. Rd., to Hill, Wilson & Watson, Sumpter Bldg., $47.289.

Tex., Dallas—Paving Hampton Rd. from 12th to Catherine Sts., 2 in. Uvalde rock asphalt on 5 in. concrete, to Uvalde Paving Co., Insurance Bldg., $29,312.

Tex., Dallas—R. L. Ferguson, Magnolia Bldg., grading and terracing in Oak Lawn Heights, to P. O'Connor, 3925 Bowser St., $25,000.

Tex., Ft. Worth—For 19,100 sq.yd. 2 in. rock asphalt on 5 in. concrete, paving, curbing, guttering, etc., on Madeline Pl., to General Constr. Co., Cotton Exch. Bldg., $3.08 per sq.yd.; 7,850 sq.yd. 2 5-in. Warrenite bitulithic paving, curbing, guttering, etc., Washington St., to West Texas Constr. Co., Cotton Exch. Bldg., $3.08.

Tex., Georgetown—Williamson Co., surfacing with 14.7 mi. State Highway 2, Federal Aid Project 140-C, bituminous on rock, to J. A. Block & Co., 209½ West 8th St., Ft. Worth, $107,890. Engrs. est. $118,678. Noted June 26.

Tex., Houston—Standard paving Bayland St., to Uvalde Rock Asphalt Co., Bankers Mortgage Bldg., $66,991; Telephone Rd., to Gulf Bituminous Co., Bankers Mortgage Bldg., $59,765; Commonwealth St., to Smith Bros., Amer. Exchange Natl. Bank, Dallas, $38,765. Noted July 31.

Tex., Lufkin — Angelina Co. graveling 15½ mi. road from Zavalla to Jasper Co. line, to J. S. Moore & Sons, Lufkin, $188,000.

Tex., McKinney — Collin Co. amesite bituminous topping 107,002 sq.yd. Dallas-McKinney Rd., to Purvis & Lowry, F. and M. Bldg., Ft. Worth, $45,000. Engrs. est. $42,000.

Tex., Palestine — Bituminous paving North Jackson St., to Smith Bros., Amer. Exch. Natl. Bank, Dallas, $25,000.

Tex., Tyler—Smith Co., gravel surfacing, etc., 5.12 mi. State Highway 64, and 16.33 mi. State Highway 64, Federal Aid Project 423-A, both 16 ft., to Smith Co., c/o D. P. Pendleton, co. judge, Tyler, $19,633 and $143,184 respectively. Engrs. est. $25,000 and $157,502 respectively. Noted July 17.

Okla., Grandfield — Improving 4 blocks Main St., 6,900 sq.yd. concrete paving, 2,400 lin.ft. concrete curbing, 2,600 cu.yd. excav., etc, to Pearce Constr. Co., Edmond Engrs. est. $29,000. Noted Aug. 7.

Nevada—State Hy. Dept., Carson City, grading and constructing culverts on road 0.52 mi. east of Nevada-California State line, and 2 mi. east of Verdi, also road between Nevada-California State line and point 0.52 mi. east of Verdi, both Washoe Co., to Isbell Constr. Co., Box 584, Fresno, Calif., $101,438 and $21,985 respectively.

Wash., Mt. Vernon—Bd. Comrs. Skagit Co., concrete paving 7.5 mi. Wickersham Rd., 16 ft., to L. Remano Co., 123 23rd St. S., Seattle, $238,880.

Wash., Seattle—King Co., grading 16,000 cu.yd. Stevens Pass Highway west of Cascades Summit to Monary Bros., Cashmere, $31,277.

Wash., Seattle—Bd. Pub. Wks., grading and laying mains in 32nd Ave. W. et. al., to Odman Contg. Co., 2534 33rd St., $30,537. Engrs. est. $36,563.

Wash., Seattle—Bd. Pub. Wks., paving 33rd Ave. et al, to D. H. Traphagen, Pioneer Bldg., $30,688. Engrs. est. $31,737.

California—State Highway Comn., Sacramento, grading 5.32 mi. highway between Boca and Floriston, Nevada Co., to Irey & Holden, Lodi, $245,162; asphaltic concrete paving 8.07 mi. highway in San Joaquin Co., to Valley Paving & Constr. Co., Visalia, $169,649; concrete paving 6.45 mi. highway between Eureka and Arcata, Humboldt Co., to J. F. Knapp, Turlock, $243,464.

Calif., Glendale—Improving Glenoaks St., Sycamore Canon Rd., Hill Dr., Sierra and Merrill Aves., 1710 lin.ft. Class "A" and 3,745 lin.ft. Class "B" cement curbing, 28,360 sq.ft. cement gutter, 31,500 sq.ft. cement sidewalks, 237,000 sq.ft. earth excav., 132,300 sq.ft. oil macadam paving, etc., to E. L. Fleming, Glendale, $34,394. Engrs. est. $35,000.

Calif., Hollister — San Benito Co., improving 8 mi. highway, to Granite Constr. Co., Watsonville, 130,500 sq.ft. cleaning at $0.01 per sq.ft., 10,800 lin.ft. grading $3.18, 2,160 tons base rock $3.40, 2,026 tons crushed rock $4.10, 1,509 tons screenings $6, 144 tons grade "E" asphaltum $45, total $34,434. Noted July 24.

Calif., Los Angeles—To Western Constr. Co., Loew State Bldg., improving Beachwood Dr. between Glen Oak St. and Winans Dr., 121,128 sq.ft. concrete pavement at $0.216 per sq.ft., grading $2,556, 18,807 sq.ft. cement sidewalks $0.17, 663 ft. curb $0.55, total $32,282.

Calif., Sonora—Tuolumne Co.-paving 3½ mi. highway, 5,219 tons 3 in. asphaltic concrete, to F. L. Carson, Exposition Bldg., San Francisco, $47,492. Noted June 26.

Quebec—Provincial Hy. Dept., Quebec, reflecting sections of macadam roads with oil, in Ancienne Lorette and Notre Dame des Laurentides Parishes, to C. C. T. E. Rousseau Ltd., 48 2nd Ave., Limoilou, $69,000; in St. Basile, Portneuf Parish, to G. C. Genest & Bedard, St. Basile, and 1½ mi. to U. I. Marcotte, St. Basile, $18,000; in St. Augustin, to C. C. Amiesite Asphalt, Ltd., 52 Duluth Bldg., Montreal, $25,000; also 28,691 lin.ft. road in St. Rose Parish, to O'Connor Bros., Huntington, $4,088 and to Belanger & Sicotte, 83 Craig St. W., Montreal, $22,000.

Que., Hull—Paving section of Aylmer Rd., asphalt on concrete, to Standard Paving Co. Ltd., Central Chambers, Elgin St., Ottawa, Ont., $39,000.

Ontario—Kent Co. (Chatham) concrete paving 2 mi. road at Wallaceburg and ½ mi. road at Chatham, to G. Conibear, 265 St. Claire St., Chatham, $46,500; also 3 mi. Rds. 62 and 115, to Paving & Mastic Co., 26 Elgin St., Toronto, $54,000.

Ont., Chatham—To G. Conibear, Chatham, 2 mi. cement pavement in Dover Twp., $90,000, and concrete paving Creek Rd., Harwich Twp., $60,000.

Ont., Guelph — Cement pavements, to Balconi & Bottagoli, $50,000.

Ont., Oakville—Trafalgar Twp., grading and concrete paving 17,500 sq.yd. 2nd line from Bronte to Palermo to W. L. Malcolm. Queens University, Kingston, $35,000. Engrs. est. $25,000.

Ont., Sandwich — Essex Good Roads Com., concrete paving, etc. 5 mi. Middle Rd., to Premier Constr Co., Walkerville, $2.68 per cu.yd. Engrs. total est. $200,000.

Ont., Toronto—Constructing 4 mi. sidewalks on various streets, to W. E. Taylor, 22 Falcon St., Hanson St., to A. Johnson, 17 Fairmount Crescent, Hiawatha Rd., to Natl. Contg. Co., 9 Garnock Ave., Dawes Rd., Keystone and Harris Ave., to L. Acri, 102 Markham St., Balmy Ave. and Main St., to Riverdale Contg. Co., 264 Jones Ave., Ashland Ave., to D. Mackay, 289 Ashdale Ave., Gales Ave., to T. E. Lane, 337 Yorkville Ave., Davenport Rd. and Marley Ave., to H. Mitchell, 464 Brock Ave., Main St. W., to Murphy Contg. Co., 8 Wychwood Park, Snowden Ave., total est. $30,000, to Warren Bituminous Paving Co., 54 University Ave., bitulithic paving Dufferin St. $2,953, Kilbarry Rd. $8,284, Milverton Blvd. $7,465; to Godson Contg. Co., Manning Chambers, asphalt surfacing St. Patrick St. $7,442; to Constr. & Paving Co., Confederation Life Bldg., concrete curbing Lloyd Ave. and Marlboro Pl., $0.70 per lin.ft.; to Grant Contg. Co., 50 Front St. E., concrete paving lane north of Lappin Ave. $4,137; to Ramsay Contg. Co., 39 Indian Rd. lane north of Mansfield Ave. $1,310; to L. Acri, 102 Markham St., lane east of Ontario St. $2,254; to Godson Contg. Co., Manning Chambers, asphalt paving Manning Ave. $1,908; to Constr. & Paving Co., Confederation Life Bldg., Cloverlawn Ave. $1,615, Lloyd Ave. $4,895, Marlborough Pl. $3,979; to Kilmer &

Streets and Roads (Continued)

Barber, 10 Adelaide St. E., Milverton Blvd. $7,209, Balmy Ave. $2,453.

Ont., Walkerville—Paving—Kildare and Victoria Rds., 20,497 sq.yd. 2 in. asphalt top to Merlo, Merlo & Ray, Ltd., Walkerville, $29,327, and 20,947 sq.yd. concrete base, to Ryan Constr. Co., Walkerville, $66,915, 13,092 sq.ft. sidewalks on same streets, to H. Bondy, Walkerville, $2,064 Engrs. est. $150,000. Noted July 3.

B. C., South Vancouver—Concrete paving 34th Ave., to Ritchie Contg. Co., 1318 Granville St., Vancouver, $33,732, Main St., to A. B. Palmer & Co., Vancouver Blk., Vancouver, $29,543; asphaltic concrete resurfacing Joyce and Victoria Rds., to Cotton & Co., False Creek, Yards, Vancouver, $10,622.

B. C., Vancouver — City Clerk, paving various streets to Cotton Co. Ltd., False Creek Yards, asphaltic macadam $50,628, asphaltic concrete $39,664, also to Harrison & Lamond, Pacific Bldg., asphaltic concrete $20,612. Noted July 24.

Buildings—Industrial

PROPOSED WORK

Conn., Fairfield—Factory—Gas Generating Co., Chicago, Ill., plans plant, Post Rd. To exceed $40,000. V. D. McDonald, pres.

Conn., Putnam—Dye House and Office—H. K. H. Silk Co., plans 2 story and basement, 50 x 100 ft., dye house and office building. $40,000.

N. Y., Buffalo—Mill—Pratt & Letchworth, 189 Tonawanda St., making plans 2 story, 50 x 150 ft., rein.-con. and steel. $40,000.

N. Y., Lackawanna (Buffalo P. O.)—Mills—Bethlehem Steel Co. plans brick and steel mills. $500,000.

Pa., Pittsburgh—Bakery—P. H. Butler Co., 17th and Pike Sts., having plans prepared by Hunting & Davis, Century Bldg., 4 story and basement, 100x140 ft., brick and steel, Liberty Ave. $200,000.

Pa., Williamsport — Plant — Davenport Cleaning Co., 612 West 4th St., plans 3 story and part basement, 90 x 100 ft., brick, steel and concrete, West 4th and Edwin Sts. $150,000.

Miss., Brookhaven—Plant, etc.—Voted $50,000 bonds for improvements to electric light and water plant, incl. new furnace, brick chimney, repairing steam pipe system, coal and ash handling machinery, etc. Total cost $300,000.

Wis., North Milwaukee — Tannery — Greenbaum Tanning Co., Hampton Ave., having plans prepared 2 story, 110 x 112 ft., brick and timber, plain foundation. Gates Eng. Co., 418 Jackson St., Milwaukee, engrs.

Tex., Amarillo — Mill — Planters & Mfg. Co., San Marcos, having plans prepared by Lockwood Green & Co., 24 Federal St., Boston, Mass., cotton mill, here. $1,000,000.

Calif., Modesto—Can Factory—Borden's Condensed Milk Products Co., Kansas Ave., rejected bids 50 x 180 ft., rein.-con. and brick factory. $100,000. Davis-Hellar-Pearce Co., Delta Bldg., Stockton, archts. Noted Aug. 7.

Mexico, Monterey — Plant — Ford Motor Co., Highland Park (Detroit P. O.), Mich., plans 2 story, brick and concrete plant, here. $2,000,000.

Ont., Listowel—Plant—Listowel Cordage Co. plans extending plant. $40,000.

Ont., New Liskeard—Mill—Childerhose Bros., Eganville, plans mill, here. $50,000.

Ont., Port Arthur—Mill—J. Stirrett & Sons, Ltd., plans rebuilding mill recently destroyed by fire.

Ont., Strathroy—Mills—Butlers Woolen Mills, J. Butler, proprietor, plans rebuilding mills recently destroyed by fire. Loss $40,000.

BIDS DESIRED

Mass., Chelsea — Plant — Standard Box Mfg. Co., Gerrish Ave., taking bids 4 story, 50 x 100 ft., brick and timber addition. $60,000. S. S. Eisenberg, 46 Cornhill St., Boston, archt.

Mass., Fitchburg—Manufacturing—Simonds Saw & Steel Co., Main St., taking bids 3 story and basement, 50 x 150 ft. addition. $120,000. J. O. DeWolf, 45 Bromfield St., Boston, engr.

Mass., Medfield Junction (Harding, P. O.)—Laundry—Commonwealth of Massachusetts, Dept, Mental Diseases, Boston, taking bids 1 story 80x200 ft., brick, at Medfield State Hospital, here. To exceed $200,000. Kendall Taylor & Co., 142 Berkley St., Boston, archts.

N. Y., Watervliet—Factory—Aug. 15, by Foreman & Clark Mfg. Co., 2 story, 137 x 322 ft., rein.-con. and steel, 6th Ave. $250,000. Private plans.

O., Cleveland—Factory—F. Hepler, c/o G. A. Ebeling, archt., Hunkin-Conkey Bldg., taking bids 2 story and basement, 50 x 80 ft., brick and timber, 4040 Superior Ave. $40,000.

Wash., Riverside — Power Plant — See "Unclassified."

Calif., Giant—Power Plant—Giant Powder Co., 1st Natl. Bank Bldg., San Francisco, taking bids 20 frame and corrugated iron buildings, concrete foundations, (material furnished by owners). $100,000 or more. Private plans. Noted Aug. 14.

Calif., Los Angeles—Newspaper plant—Morgan, Walls & Clemens, archts., Van Nurys Bldg., taking bids (2nd unit) 4 story and basement, 150x200 ft. rein.-con., Georgia St., for Evening Herald, 136 South Bway.

Calif., Sacramento — Laundry — Supervs. Sacramento Co. taking bids brick, steel, and concrete powerhouse and laundry, county hospital grounds. $90,000. R. A. Herrold, Forum Bldg., archt.

CONTRACTS AWARDED

Mass., Malden—Dye House—Boston Dye House Inc., 2 story and basement, brick and steel, addition, Eastern Ave., to W. M. Bailey Inc., Malden.

Mass., Somerville — Plant—Lombard & Co., 236 A St., South Boston, 1 and 2 story, 50x150 ft., manufacturing plant, Middlesex Ave., here, to J. S. Smith Constr. Co., 17 Pearl St., Newton Archts. est. $40,000. Noted Aug. 7.

Tenn., Johnston City—Mill—Gloria Textile Corp., modern cotton mill, to Beeter Constr. Co., Johnston City, $100,000.

O., Cleveland—Factory—Bishop Products Co., 7512 Carnegie Ave., 2 story and basement, 58 x 100 ft., brick, steel and timber, 7512 Carnegie Ave., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $40,000.

O., Cleveland—Factory—T. Cusack Co., 2120 East 19th St., 1 and 2 story and basement, 40 x 110 ft., brick and steel, Summer Ave., to W. F. Thompson & Son Co., 5103 Euclid Ave. Archts. est. $50,000. Noted Mar. 20.

O., Cleveland—Factory—Hoffman Candy Co., 10522 Cedar Ave., 2 story and basement, 50 x 80 ft., brick and steel, 10522 Cedar Ave., to De Hamel Constr. Co., Plymouth Bldg. Archts. est. $50,000.

Mich., Detroit — Plant and Office — A. Kahn, archt., 1000 Marquette Bldg., 7 story and basement, with 7 story tower, 130 x 212 ft., concrete, brick and steel, to Crowell & Little Constr. Co., Hanna Bldg., Cleveland, O., for Detroit Free Press Co., Free Press Bldg. Archts. est. $2,000,000. Noted June 19.

Wis., Columbus—Factory—Dry Milk Co., 125 Park Row, New York City, N. Y., and Columbus, Wis., will build 1 story, 40 x 128 ft., steel and brick, plain foundation here, by day labor. To exceed $40,000. L. G. House, c/o owner, engr.

Wis., Milwaukee—Plant—Retailers Tallow & Calf Skin Assn., 2322 State St., 3 story and basement, 70 x 92 ft., brick and concrete, plain foundation, Muskego Ave., to Raulf Co., 428 Grand Ave., Archts. est. $60,000. Noted July 3.

Minn., Owatonna — Power Plant — See "Unclassified."

Tex., Ft. Worth—Factory—Arlington Ice Co., Arlington, will build 8 story, ice and refrigeration plant, concrete and brick, 4th St. and 5th Ave., here, by day labor. $75,000-$100,000.

Calif., Berkeley—Plant—California Ink Co., Camelia and 3rd Sts., 2 story, rein.-con. copper shop, and 2 story reinforced carton warehouse, to K. E. Parker Co., 519 California St., San Francisco, $57,663.

Calif., San Francisco—Printing Plant—Union Lithograph Co., 733 Harrison St., 1 story and basement, brick and concrete, Harrison St., to Barrett & Hilp, 918 Harrison St., $48,500.

Calif., San Pedro—Factory—California-Thorn Cordage Co., 1 story, 50 x 100 ft., and 1 story, 90 x 161 ft., brick, Pacific Ave., to A. Johnson, 1007 South Grand Ave., Los Angeles, $85,000.

Calif., Vernon — Packing Plant — Associated Meat Packing Co., 2 story and basement, 70 x 105 ft., rein.-con., to J. H. Dodd, 1321 West 74th St., Los Angeles, $45,000.

Ont., Sarnia — Plant — Dominion Alloy Steel Co., 1 story, 100 x 506 ft., 30 x 286 ft., and 45 x 506 ft.steel, South Sarnia St., to Sarnia Bridge Co., Sarnia. Engrs. est. $300,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston—Apartment—Marden & Orlando, Brookline, having plans prepared by Funk & Wilcox, 26 Pemberton Sq., Boston, 8 story and basement, 30 x 128 ft., brick and stone, Hereford St. and Commonwealth Ave., here. $300,000.

Mass., Brookline (Boston P. O.)—Dormitory—Harvard University, Cambridge, having sketches made by Coolidge & Shattuck, Ames Bldg., Boston, brick and limestone dormitory for medical college, Longwood and Pasteur Aves., here.

Mass., Cambridge (Boston P. O.)—Museum—Harvard University having sketches made by Coolidge & Shattuck, Ames Bldg., Boston, museum, Quincy St. $500,000.

Mass., Dorchester (Boston P. O.) — Apartment—H. Klayman, 39 Wilcock St., having plans prepared by S. S. Moffie, 51 Cornhill, Boston, 3 story and basement, 50 x 150 ft., 64-68 Canterbury St. $150,000.

N. Y., Buffalo — Garage — Vendome Realty Corp., 1012 Marine Trust Bldg., having plans prepared by E. P. Muntz, Lehigh Valley Terminal Bldg., 6 story, 150 x 200 ft., rein.-con., brick and steel, Ellicoit St. $200,000.

Mass., Plymouth—Hospital—City having plans prepared by J. D. Leland Co., 41 Mt. Vernon St., Boston, and Little & Russell, associated archts., 45 Broomfield St., Boston, hospital. $300,000.

Conn., Hartford—Store and office—A. D'Esopo, 1159 Main St., plans 6 story and basement, brick, plain foundation, Main St. $400,000. Engineer and architect not selected.

Conn., New Haven—School—School Dept. having plans prepared by R. W. Foote, 185 Church St., brick school, plain foundation, Shelton Ave. $150,000.

Conn., New London—Store—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., plans store, State St., here. $150,000.

Conn., Stamford—School—Sisters of St. Joseph, Inc., 210 Strawberry Hill, having plans prepared by L. A. Walsh, 51 Leavenworth St., Waterbury, school, Strawberry Hill, $250,000.

N. Y., Buffalo — Church—St. Joseph's Parish, 3269 Main St., having plans prepared by Bley & Lyman, 250 Delaware Ave., 60x160 ft. brick and stone, Main St. $200,000.

N. Y., Brooklyn — Service — German Evangelical Aid Society, Bushwick Ave. and Moffat St., had plans prepared by R. F. Schirmer, archts and engrs., 334 5th Ave., New York City, brick, steel and stone, plain foundation, Bushwick Ave. and Chauncey St. $300,000.

N. Y., Coney Island (Brooklyn P. O.)—Theatre — E. J. Tilyou, Surf Ave., soon takes bids brick, steel, stone, plain foundation, Surf Ave. and 16th St., $500,000. G. DeRosa, 110 West 40th St., New York City, archt.

N. Y., Long Island City—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, soon takes bids P. S. 32, brick, steel and stone, 35th Ave. and 171st St., here, for Bd. Educ., 500 Park Ave., New York. $600,000

N. Y., Long Island City — School — Bd. Educ., 500 Park Ave., New York, nad plans completed by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 41, brick, steel and stone, 214th Lane and 35th St. $350,000.

N. Y., New York—Apartment—C. Duffy, 565 5th Ave., had plans prepared by Sloan & Robinson, archts. and engrs., 100 East 42nd St., 16 story, brick, steel and stone, plain foundation, East 96th St. $500,000.

N. Y., New York—Apartment—Twenty West 84th St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., soon takes bids brick, steel and stone, plain foundation, 26 West 69th St. $150,000.

N. Y., New York—Apartment—Keitt P. Walker Co., 383 Madison Ave., plans brick, steel and stone, plain foundation, Park Ave. and 72nd St. $4,500,000. Private plans.

N. Y., New York—Office—Belding Bros. & Co., 903 Bway., having plans prepared by Helmle & Corbett, archts. and engrs., 132 West 42nd St., 18 story brick, steel and stone, plain foundation, 34th St. and Madison Ave.

N. Y., New York—Warehouse—A. Santini, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., had plans prepared rein.-con., brick and steel storage warehouse, plain foundation, Jerome Ave.

N. Y., New York—School—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, soon takes bids P. S. 41, Clawson Ave., brick, steel and stone, plain foundation, for Bd. Educ., 500 Park Ave. $450,000.

N. J., Camden — Station, Bank and School—Cooper Manor Corp., c/o Sloane & Robinson, archts. and engrs., 100 East 42nd St., New York City, having plans prepared rein.-con., brick and steel railroad station, bank and school. $10,000,000.

N. J., Lyndhurst — Municipal — J. F. Woods, mayor Lyndhurst Twp., 315 Stuyvesant Ave., soon takes bids brick, steel and stone, plain foundation, Valleybrook Ave. $150,000. C. Granville Jones, 280 Bway., New York City, archt. and engr.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., having plans prepared

Buildings—Commercial (Continued)

brick, steel and stone addition, Van Buren St. $315,000. Private plans.

N. C., Charlotte—Schools—See "Sewers."

Pa., Avalon—High School—Bd. Educ. having plans prepared by J. H. Phillips, P. O. Box 977, Pittsburgh, 2 story and basement, 96x113 ft., brick, tile and steel, California Ave. $180,000.

Pa., Elwood City—High School—Bd. Educ. having plans prepared by W. G. Eckles, New Castle, 2 story and basement, brick and hollow tile. $300,000.

Pa., Milton—Theatre—P. and G. Pappas plan 3 story and basement, 90 x 110 ft., Bway. $150,000. Engineer and architect not selected.

Pa., Phila.—Chapel, etc.—St. Marys Roman Catholic Church, c/o T. Barra, pastor, 2031 West Toronto St., having plans prepared by W. R. Stackhouse, 1120 Locust St., 3 story and basement, 60 x 130 ft., chapel and Sunday school, 3 story and basement, 20 x 70 ft. rectory, and 18 x 20 ft. convent addition, brick, plain foundations, 22nd and Clearfield Sts.

Pa., Spangler — High School — Altoona Catholic Church Diocese, J. J. McCort, bishop, 1200 12th Ave., plans Central Catholic High School, 3 story and basement, about 100 x 120 ft., brick, steel and concrete. $200,000. Engineer and architect not selected.

Pa., West View — Mother House and Academy—Benedictine Sisters, 832 Church St., N. S., Pittsburgh, having plans prepared by Kauzor Bros., Dollar Savings Bldg., N. S., Pittsburgh, 3 story and basement, here. $800,000.

Pa., Williamsport — Business — D. Schwab-H. Specter, 610 East 3rd St., plan 6 story and basement, brick and steel, West 3rd St. $200,000. Engineer and architect not selected.

Pa., Wilkes-Barre — School — Wilkes-Barre Institute having preliminary plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., 3 story and basement, rein.-con. and brick. $300,00.

Louisiana — Office, etc. — See "Railways under Contracts Awarded."

La., Baton Rouge—College—State University soon takes bids two brick and stone dormitories, and 6 concrete and brick cottages, $600,000. C. V. Link, Baton Rouge, state archt.

Wis., Milwaukee—Junior High School—School Bd., F. Harbach, secy., soon takes bids 3 story and basement, brick, tile and concrete, plain foundation, 9th St. $500,000. Van Ryn & De Gelleke, 114 Grand Ave., archts.

Mo., Hannibal—High School—Bd. Educ. postponed award of contract until about Jan. 1, Central High School, 2 story and basement, 110 x 195 ft., rein.-con., brick and steel. W. B. Ittner, 911 Locust St., St. Louis, archt. Noted May 8.

Tex., Houston—Theatre—J. Jones, Gulf Bldg., plans theatre. $1,000,000. Engineer and architect not announced. Southern Enterprise, Palace Theatre, Dallas, lessee.

Tex., San Antonio—Hotel—Syndicate had preliminary plans prepared by A. B. and R. M. Ayres, Bedell Bldg., 4 story and basement, brick and concrete, 8 mi. north of here. $1,000,000.

BIDS DESIRED

Vt., Brattleboro—School—Aug. 18, by O. F. Schwenk, town chn., 2 story, 110 x 125 ft., brick and stone, plain foundation, Linden St. $150,000. Wilder & White, 16 East 41st St., New York City, archts.

Mass., Amherst—Club House—Amherst Lodge Knights of Columbus, Belchertown, taking bids 3 story and basement, 50 x 130 ft., brick and stone, $150,000. O. Beacham, 440 Appleton St., archt. Noted July 10.

Mass., Boston—Bank—Boston Five Cents Savings Bank, 32 School St., taking bids 10 story, basement and sub-basement, 80 x 130 ft., rein.-con. and steel, 24-32 School St. $1,000,000. Densmore, LeClear & Robbins, Park Sq. Bldg., engrs. Parker, Thomas & Rice, 177 State St., archts. Noted Aug. 7.

Mass., Boston—Home—City Overseers of the Poor, Chardon St., taking bids 3 and 4 story, 48 x 65 ft. and 58 x 90 ft., brick and stone, Chardon and Hawkins Sts. $350,000. Newhall & Blevins, 9 Park St., Boston, archts. Noted May 15.

Mass., Brockton — School and Hall — School Bd. taking bids 2 story, 170 x 240 ft., Oakdale St. and Oakdale Ave. $200,000. G. L. Falk, 153 Main St., archt. Noted May 15.

Mass., Hyannis — Temple — Masonic Temple Assn., taking bids, 2 story and basement, 60x100 ft., rein.-con. and brick. J. Williams-Beal Sons, 62 Summer St., Boston, archts. $150,000. Noted Aug. 7.

Mass., Lexington—High School—School Comn. taking bids, senior high school and alterations to junior high school, brick and stone. To exceed $150,000. Ritchie, Parsons & Taylor, 15 Ashburton Pl., Boston, archts. Noted May 29.

Mass., Plymouth—Hall and Auditorium —City taking bids 2 story, 100 x 200 ft., brick and stone. J. D. Leland & Co., 41 Mt. Vernon St., Boston, archts. Noted July 10.

Mass., Waltham—School—School Comn., taking bids 2 story and basement, 36 x 136 ft. with 82 x 85 ft. wing, brick, Lake View Dist. H. M. Haven, and A. T. Hopkins, 11 Beacon St., Boston, archts. Noted Aug. 7.

Conn., Hartford — Theatre, Store and Office—Lenox Investment Co., c/o E. T. Wiley, archt., 75 Pratt St., taking bids 2 story and basement, 60 x 120 ft., brick, plain foundation, Albany and Sterling Sts. $150,000. Noted July 3.

Conn., Meriden — High School — School Dept., taking bids 2 story and basement, 165 x 270 ft., brick, plain foundation. $150,000. W. T. Arnold, 34 West Main St., archt. Noted Aug. 7.

Conn., West Hartford (Hartford P. O.) —School—School Dept. taking bids 2 story and basement, 65 x 110 ft., brick addition, plain foundation, Seymour Ave. $150,000. R. F. Barker, 43 Farmington Ave., Hartford, archt.

Pa., York—Hotel—Sept. 15, by Chamber Commerce, c/o C. Rice, brick, steel and stone. $750,000. W. L. Stoddart, 50 East 41st St., New York City, archt. and engr. Noted July 17.

N. Y., Schenectady—School—Sept. 1, by Bd. Educ., 2 story, 55 x 200 ft. rein.-con., brick and steel, plain foundation, Euclid St. $150,000. R. L. Bowen, city archt.

Pa., Houtzdale — Lodge — Aug. 30, by Loyal Order of Moose, 327, R. F. Sherkel, secy, 3 story and basement, 90 x 100 ft., brick and steel, plain foundation, Main St. $150,000. A. F. Petruskey, Brisbin, archt.

Pa., Phila.—Chapel, etc.—Aug. 28, by Zantzinger, Borie & Medary, archts., Otis Bldg., 50 x 168 ft. chapel with 45 ft. tower, 3 story and basement, 42 x 64 ft. deanery, two 3 story and basement, 58 x 76 ft. faculty houses, rein.-con. and stone, plain foundation, 42nd and Spruce Sts., for Protestant Episcopal Divinity School, c/o G. C. Bartlett, 316 South 10th St. Day & Zimmerman, 1600 Walnut St., engrs.

O., Cleveland—Warehouse—Bailey Co., Prospect and Ontario Sts., taking bids 4 story and basement, 120 x 130 ft., brick and rein.-con., Oregon Ave. $200,000. W. E. Snaman, Empire Blvd., Pittsburgh, Pa., archt.

O., Columbus—Engineering Experiment Station, etc.—Sept. 2 by Bd. Trustees Ohio State University, 4 story and basement, 90 x 110 ft., engineering experimental station, $175,000, 4 story and basement, school, with 70 x 139 ft. and 60 x 90 ft. wings, $200,000, also 2 story and basement, residence for president, with 25 by 90 ft. and 25 by 60 ft. wings, all rein.-con. and brick, on campus. J. N. Bradford, Ohio State University, archt.

Ill., Chicago — Apartment — Dubin & Eisenberg, archts., 14 West Washington St., taking bids 3 story and basement, 65 x 150 ft., brick, plain foundation, 5110-20 Kenmore Ave., for Rosen & Coine, 1149 Lunt Ave. $150,000. Noted July 17.

Ill., Chicago — Apartment — Kocher & Larson, archts., 6405 South Halsted St., taking bids 3 story and basement, 120 x 137 ft., brick, plain foundation, 72nd and Constance Sts., for R. W. Ryan, 6437 Ingleside Ave. $150,000.

Ill., Chicago—Hall—H. Shaw, archt., 104 South Michigan Ave., taking bids Goodman Hall, 2 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, Michigan Blvd., for Trustees Art Institute, Michigan Blvd. and Adams St.

Ill., Chicago—School—Aug. 19, by Bd. Educ., 650 South Clark St., J. E. Byers, mgr., 3 story and basement, rein.-con., brick and steel, plain foundation, Montrose and Beacon Sts. J. Christensen, 650 South Clark St., archt.

Ill., Chicago — Store and Apartment — Newhouse & Bernham, archts., 4623 Drexal Blvd., taking bids 3 story and basement, 80 x 104 ft., brick, steel and tile addition, plain foundation, Bennett and Euclid Aves., for Goldstein & Gilmore, 51st St. and Glenwood Ave. $350,000. Noted July 10.

Neb., Grand Island—High School—Aug. 21, by S. E. Sinke, secy. Bd. Educ., 2 story and basement, E shaped, rein.-con., brick and stone, $350,000. Kirschke & Baker, Ryan Bldg., archt. Noted Feb. 14.

Neb., Lincoln — Theatre—Aug. 15, by Capitol Enterprises, Inc., 503 Davidson Bldg., Kansas City, Mo., and C. Boller Bros. archts., 508 Palace Bldg., Kansas City, Mo., 2 story and basement, 75x150 ft., rein.-con., brick and steel, 1,600 seating capacity. $250,000. D. R. Hettelsater, 707 Mutual Bldg., Kansas City, Mo., engr. Noted July 31.

Mo., Kirksville—Library—Aug. 20, by J. A. Cooley, secy, Bd. Regents, 3 story and basement, rein.-con., brick and stone, on campus. R. H. Sanneman, Lee Bldg., Kansas City, archt.

Mo., Springfield—Science Hall—Sept. 10, by Bd. Regents Southwest Missouri Teachers College, 2 story and basement, science hall. $200,000. E. Hawkins & Co., 400 McDaniel Bldg., archts. Noted Aug. 7.

Tex., Dallas—Sunday School—Baptist Church, St. Paul and San Jacinto Sts., taking bids 6 story and basement, brick, steel and concrete. $500,000. Former bids rejected. R. H. Hunt & Co., Southwestern Life Bldg., archts.

Tex., San Antonio—Auditorium—Sept. 7, by A. B. and R. M. Ayres, archts., Bedell Bldg., and Willis & Jackson, archts., Chandler Bldg., 2 story and basement, rein.-con., steel, limestone and tile, plain foundation, Romana site, for City. $700,000. Noted July 17.

Calif., Hanford—Auditorium—Aug. 27, by City Council, brick, steel and concrete. Coates and Traver, Rowell Bldg., Fresno, archts.

Calif., Long Beach—High School—Aug. 25, by A. C. Price, secy. Bd. Educ., 436 Markwell Bldg., Alexander Hamilton High School group of buildings, 2 story, approximately 350 x 350 ft., brick and art stone, Alamitos Ave., State and Gundry Sts. $469,000. Davies & Baume, 1010 Farmers and Merchants Bank Bldg., and R. M. Bates, Brack Shops Bldg., Los Angeles, archts. Noted Mar. 13.

Mexico., Saltillo—Seminary—J. H. Benson, Saltillo, taking bids 2 and 3 story, rein.-con., brick and stone. $150,000. H. S. Green, 408 Alamo Natl. Bank Bldg., San Antonio, Tex., archt.

Calif., San Jose—High School—Sept. 4, by Bd. Educ., Junior High School, 1 and 2 story, rein.-con., St. Clair St. To exceed $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted June 26.

BIDS RECEIVED

Pa., Woodville—Hospital—Directors of Poor, Alleghany Co., 2 and 3 story and basement, from E. W. Canon, McKeesport, $682,000. Noted July 24.

CONTRACTS AWARDED

N. H., Salem — High School — City, 2 story and basement, 90 x 120 ft., Main St., to E. A. Peabody & Son, State Bldg., Lawrence, Mass. Archts. est. $150,000.

Vt., Bennington—Armory—State Building Comn., 2 story armory, to H. Wales Lines Co., 134 State St., Meriden, Conn. Archts. est. about $150,000. Noted July 17.

Mass., Allston (Boston, P. O.)—Apartments—York Apartment House Corp., c/o W. L. Minor, archt., 60 Pemberton Sq., Boston, will build eight 3 story and basement, 53x93 ft., brick and stone, by day labor under supervision of architect. $400,000.

Mass., Arlington—Fire Station—Fire Dept., 2 story, basement and tower, 80 x 80 ft., limestone and marble, Massachusetts Ave. and Bway., to Beacon Constr. Co., 110 State St., Boston. $99,640. Noted July 10.

Mass., Boston — Store and Office—C. Chauncy Co., 115 Chauncy St., 14 story and basement, 98x118 ft. brick, steel, limestone and granite, to G. W. Harvey, 115 Chauncy St. Archts. est. $800,000 to $1,000,000.

Mass., Brookline (Boston, P. O.) — Nurses Home—Peter Bent Brigham Hospital, Huntington and Brookline Aves., 5 story and basement, 40 x 95 ft., rein.-con., and brick addition, to W. A. and H. A. Root, Park Sq. Bldg., Boston. Archts. est. $175,000. Noted July 17.

Mass., Chicopee—School—School Bd., 2 story and basement, 80x161 ft., brick, Nonotuck Ave., to M. J. Walsh, 1412 Dwight St., Holyoke, Archts. est. $225,000. Noted April 3.

Mass., Florence—Store and Apartment—A. Stearns (owner and contractor), 1387 Main St., will build 4 story, 135 x 170 ft., brick and stone, Main and Maple Sts. $170,000.

Mass., Haverhill—Church—St. Joseph's Roman Catholic Church, 1 story and basement, 76x202 ft., brick and limestone, Bway., to C. A. Houle, Arlington Ave., Dracut. Archts. est. $200,000.

Mass., New Bedford—School—St. Killians Parish, 2 story and basement, 72x130 ft., brick, Earle St., to J. T. Towers Co., Borden St., Providence, R. I. Archts. est. $150,000.

Mass., Salem—Hotel—Salem Hotel Co., will build 5 story and basement, 120x140 ft., brick, stone and steel, Essex St., by day labor. $500,000. Smith & Walker, 80 Boylston St. Boston, and H. L. Stevens, 552 5th Ave., New York City, archts.

Building—Commercial (Continued)

R. I., Providence—School—St. Michaels Church, 2 story and basement, 62 x 228 ft., to J. Donatelli, 40 Longmont St. Archts. est. $200,000.

Conn., Hartford—Store and Office—I. Wise, 74 Pratt St., brick and steel, plain foundation, Pratt St., to G. Cudemo & Southern New England Constr. Co., Inc., 68 Maple St. Archts. est. $150,000.

N. Y., Albany — Warehouse — Albany Hardware & Iron Co., 7 story and basement, 112 x 200 ft., rein.-con. and steel, concrete pile foundation, Bway., to J. J. Finn & Son, 75 Northern Blvd., Albany, $338,690.

N. Y., Brooklyn—High School—Diocese of Long Island, T. E. Melloy, bishop, Clermont and Vanderbilt Aves., brick, steel and stone, plain foundation, Eastern Parkway and Union St., to W. L. and G. H. O'Shea, 29 Bway., New York City. Archts. est. $1,000,000.

N. Y., Brooklyn—School—St. Augustine Roman Catholic Church, 6th Ave., brick, steel and stone, plain foundation, 116 6th Ave., to P. J. Carlin Constr. Co., 70 East 45th St., New York. Archts. est. $200,000.

N. Y., Lackawanna (Buffalo P. O.)—School—Bd. Educ., constructing school, Franklin Ave., to Schaaf Co., 159 Miller Ave., Buffalo, $200,000. Noted April 3.

N. Y., New York—Apartment—L. H. G. Holding Co., c/o W. I. Hohauser, archt., 116 West 39th St., will build 5 story, brick, steel and stone, plain foundation, 207th St., by day labor. $180,000.

N. Y., New York—Museum—Dept. Parks, Municipal Bldg., constructing passageway to connect new service building with Museum of Natural History, general contract, to Lustig M. Weil, 103 Park Ave., $529,723, plumbing, to P. F. Kenney Co., 33 Old Bway., $36,980, heating, to Austin Eng. Co., 121 West 42nd St., $64,655. Noted July 1.

N. J., Perth Amboy—Bank—First Natl. Bank, 4 story, 100x100 ft. bank, to C. R. Heddon Co., 370 South 7th St., Newark, $400,000. Noted June 5.

Pa., Phila.—Office—Medical Arts Corp., 16th and Walnut Sts., 15 story and basement, 40 x 120 ft., brick, stone and steel, plain foundation, 1603-05 Walnut St., to W. R. Chapman, 1506 Washington Ave. Archts. est. $400,000.

D. C., Wash.—Store—Hecht Co., 7th and F Sts., 7 story and basement, 125 x 154 ft. brick, steel, rein.-con. and terra cotta addition, to G. A. Fuller Co., Munsey Bldg., $1,500,000. Noted Aug. 7.

O., Cleveland—Dance Hall—G. W. Hausheer Co., 1276 West 3rd St., 2 story and basement, 132 x 228 ft., rein.-con., brick and steel, 9810 Euclid Ave., to Hausheer Constr. Co., Marion Bldg., archts. est. $150,000.

O., Cleveland—Garage—Bulkley Building Co., c/o R. J. Bulkley, Bulkley Bldg., 2 story, 124 x 190 ft. and 4 story, 70 x 135 ft., brick additions, 1501 Euclid Ave., to J. Gill & Sons Co., Bulkley Bldg. Archts. est. $250,000.

O., Cleveland — Office — McKinney Steel Co., Perry Payne Bldg., 5 story and basement, 65 x 255 ft., brick and steel, Champa Ave., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Archts. est. $300,000.

O., Cleveland—School—St. Cecilias Roman Catholic Church, 3476 East 151st St., 2 story and basement, 67 x 114 ft., brick and steel, East 152nd St., to Schirmer-O'Hara Co., 2031 Euclid Ave. Archts. est. $150,000.

O., Columbus—Storeroom and Hotel—L. P. Bliss, 817 South High St., 4 story and basement, 62 x 187 ft., rein.-con. and brick, concrete pile foundation, South High St., to C. M. Frank Co., Citizens Trust Bldg., about $175,000.

Ind., Bloomington—Dormitory—Indiana University, 4 story and basement, 50x284 ft., rein.-con. and brick, to E. A. Carson, Logansport, Ind., $333,345. Noted July 17.

Mich., Detroit—Office—See "Buildings—Industrial."

Mich., Detroit—Apartment—Eight Thousand One Sixty-Two Jefferson Ave. Corp., c/o W. W. Ahlschlager Inc., 65 East Huron St., Chicago, Ill., 17 story and basement, 74x210 ft., rein.-con. and brick, plain foundation, Jefferson Ave., to Wallbridge-Aldinger & Co., Detroit. Archts. est, $2,500,000.

Mich., Detroit—Garages—Ramp Garage Co., c/o R. O. Derrick, archt., 120 Madison Ave., 6 story and basement, 120 x 160 ft. rein.-con. and brick, Cass Ave. and Larned St., and 8 story, 90 x 120 ft., rein.-con. and brick, Elizabeth St., to H. G. Christman Co., 315 Stevens Bldg.

Mich., Detroit — Warehouse — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 6 story and basement, rein.-con. and brick, plain foundation, Beaubien St., to W. E. Wood Co., 1805 Ford Bldg. Noted July 10.

Mich., Owosso—Temple—Masonic Temple Assn., 5 story and basement, 66 x 120 ft., rein.-con., brick and steel, plain foundation, Washington St., to J. J. Olson & Son, Owosso, about $200,000. Noted July 10.

Ill., Chicago—Apartment—E. Frain & J. D. Hoefels, 6229 University Ave., 3 story and basement, 15 x 144 ft., rein.-con. and brick, plain foundation, 1350 Madison Park, to O. Nelson, 25 North Dearborn St.

Ill., Chicago—Laboratory—University of Chicago, The Midway, Rawson Clinical Laboratory, 7 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, Harrison and Wood Sts., to E. L. Scheidenhelm, 111 West Monroe St. Archts. est. $500,000.

Ill., Hinsdale—School—Bd. Educ., Madison School, 2 story and basement, 68 x 140 ft., rein.-con. and brick, plain foundation, to E. P. Stanberg Co., 232 East Erie St., Chicago. Archts. est. $150,000.

Ill., Springfield — Hotel — St. Nicholas Hotel, 400 East Jefferson St., H. B. Bartholf, pres., 11 story and basement, 60x90 ft., rein.-con., brick, stone and steel, to H. L. Stevens & Co., 30 North Michigan Ave., Chicago. Archts. est. $425,000.

Ill., Wheaton—Theater—Deis & Dornberg, 1 story and basement, 72 x 150 ft., rein.-con., brick and steel, plain foundation, Hale St., to W. Youngberg, Elmhurst. Archts. est. $150,000.

Wis., Milwaukee — Business — Persian Furniture Co, 385 3rd St., 3 story and basement, 60 x 120 ft., brick and concrete, plain foundation, North Ave., to E. Steigerwald & Sons, 2303 Galena St. Archts. est. $150,000. Noted July 17.

Wis., Milwaukee — Store and Office — Voelz & Siebert, archts., 373 Bway., 2 story and basement, 117 x 122 ft., brick, terra cotta and concrete, plain foundation, 8th Ave., to W. W. Oeflein, 86 Michigan Ave., for F. L. Barczak, 738 Forest Home Ave. Archts. est. $150,000. Noted May 29.

Wis., Oshkosh—Church—St. Marys Congregation, W. A. Reul, pastor, 187 Merritt St., 2 story and basement, 50 x 90 ft. and 60 x 120 ft., brick and tile addition, plain foundation, to A. Pitz, 215 Church St. Archts. est. $150,000.

Ia., Des Moines — Store — L. Oransky & Sons, 313 Walnut St., general contract 6 story and basement, 69 x 132 ft., rein.-con. and brick, 5th and Walnut Sts., to A. H. Neumann & Co., Hubbell Bldg., $212,655; heating and plumbing, to Van Dyck Plumbing Co., 1111 Walnut St., $28,900.

Ia., Greenfield—School—Bd. Educ., general contract, 3 story, rein.-con., brick and stone, to C. B. Campbell, Creston. Archts. est. $150,000.

Minn., Minneapolis — Warehouse and Garage—Powers Mercantile Co., 5th St. and Marquette Ave., general contract, 1 story, 109 x 150 ft., rein.-con. and brick, 813 Western Ave., to E. M. Ganley Co., 1002 Plymouth Bldg. Engrs. total est, $200,000.

Neb., Omaha — Country Club — Happy Hollow Club, c/o J. M. Gilchrist, 710 Bankers Reserve Life Bldg., 2 story and basement, 60 x 200 ft., 95th and Pacific Sts., to R. B. Terdrow, 4936 North 35th St., $150,000.

Mo., Joplin—Memorial—General contract 2 story and basement, 140 x 187 ft., to A. S. Greenwall, Joplin, $147,650.

Mo., Kansas City—Apartment-Hotel, etc. —W. R. Jewel, 626 Chambers Bldg., will build 4 story and basement, 73 x 103ft. apartment-hotel, $150,000, and 3 story and basement, apartment, $150,000, both rein.-con., brick and stone, by day labor. Wilkinson & Crans, 608 Interstate Bldg., archts.

Mo., St. Louis — Office — Ralston Purine Co., 835 South 8th St., general contract 6 story and basement, 52 x 120 ft., rein.-con., brick and terra cotta, 8th St., to Woerman Constr. Co., Syndicate Trust Bldg. Archts. est. $300,000.

Mo., Webster Groves—High School—Bd. Educ., c/o E. H. Tenney, pres., will build 2 story and basement, 175 x 300 ft., rein.-con., brick and stone, by day labor under supervision J. Horst, bd. representative, and W. B. Ittner, archt., 911 Locust St., St. Louis. $150,000. Noted June 5.

Tex., Dallas — Hotel — A. C. Allen and associates, 4814 Worth St., 18 story, basement and sub-basement, 100 x 100 ft., concrete, terra cotta and brick, Commerce and Ervay Sts., to W. M. Rice Constr. Co., Southwestern Life Bldg., $1,300,000.

Tex., Dallas—Hotel—C. M. Hilton Investment Co., Waldorf Hotel, 14 story and basement, rein.-con., brick, concrete and tile, etc., to A. J. McKenzie Constr., Calcasieu Bldg., San Antonio, $800,000. Noted May 29.

Tex., Ft. Worth—Store—[illegible] I. Burgess, Forest Park Blvd., 8 story and basement, 95 x 100 ft., brick and concrete, Houston and 5th Sts., to H. B. Friedmann, 1st Natl. Bank Bldg., $290,000. Noted May 1.

Okla., Tulsa—Bank—First Natl. Bank, 10 story and basement, rein.-con. and brick, steel work, to Kansas City Structural Steel Co., 114 West 10th St., Kansas City, Mo., masonry, to J. R. Forner, [illegible] Commercial Bldg., Tulsa; Gypsum partitions, to U. S. Gypsum Co., 915 Olive St., St. Louis, Mo. Archts. est. $500,000. Noted July 31.

Wash., Seattle—Apartment Hotel—M. P. Zindorf (owner and contractor) Arcade Bldg., will build 5 story and basement, 60 x 110 ft., brick and terra cotta, 914 Pike St., $155,000.

Wash., Seattle — Lodge — Eagles Lodge, Aerie 1, 6 story, 120 x 175 ft., steel and concrete, 7th and Union Sts., to Sound Constr. & Eng. Co., $868,000. Noted Feb. 7.

Wash., Seattle — Warehouse — Pacific Telephone and Telegraph Co., 3 story, 85 x 130 ft., brick and rein.-con., Valley & Minor Sts., to Sound Constr. & Eng. Co., Seattle. Archts. est. $150,000.

Calif., Berkeley—Exchange—Pacific Telephone and Telegraph Co., 333 Grant Ave., San Francisco, 4 story and basement, rein.-con., Bancroft Way, to Monson Bros., 251 Kearny St., San Francisco, $218,840. Noted June 19.

Calif., San Jose—Club—Catholic Womens Community Center, general contract, 4 story and basement, rein.-con., 5th St., to Morrison Bros., 1310 Liberty St., approximately $115,000. Noted July 24.

Calif., Stockton—Auditorium—City Council, A. L. Banks, clk., general contract auditorium, to F. Tucker, 821 North Sierra Nevada St., $379,679; structural steel, to Seiler Iron Wks., 945 South Pilgrim St., $51,690; heating, plumbing and ventilating work, to Stockton Plumbing Supply Co., 327 Miner Ave., $41,444. Noted May 22.

Que., Westmount—Community Hall, etc —Constructing Victoria Hall and boiler house, steel and stone, in Victoria Park, to Nicholson Co., 950 St. Catherine St. W., Montreal, $177,621. Noted May 15.

N. B., St. John—Hotel—Admiral Beatty Hotel Co., Ltd., 8 story, 200 rooms, rein.-con. and brick, plain foundation, King Sq., to E. G. Cape Co., 10 Catherine St. W., Montreal, Que., $666,000.

Federal Government Work

PROPOSED WORK

Ky., Addison — Steel—U. S. Engineer Office, P. O. Box 72, Louisville, plans to purchase about 60 tons structural steel, and 70 tons steel forgings for Chamoine Weir Dam 45, Ohio River, here.

Ky., Fords Ferry—Pumps—U. S. Engineer Office, P. O. Box 72, Louisville, plans to purchase two 8 in. direct connected water pumps, complete.

Calif., San Francisco — Grading Spec. 5012—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans additional grading at Marine Corps Depot, here.

Wis., Milwaukee — Breakwater — U. S. Engineer Office, Federal Bldg., made plans extending rein.-con. breakwater, 1,680

BIDS DESIRED

Pa., Wilkes-Barre—Post Office—Sept. 2, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office here.

Del., Reedy Island—Water Pumps—Aug. 28, by Treas. Dept. at office Supervising Archt., Wash., D. C., new pumps, etc., at U. S. Quarantine Sta., here.

D. C., Wash.—Pumping Plant—Sept. 16, by Dept. Interior, Bureau Reclamation, Wash., D. C., 4 pumping units for Orchard Mesa pumping plant, Grand Valley Project, Colorado. C. A. Bissell, acting comr.; adv. E. N.-R. Aug. 14.

D. C., Wash.—Quarters and Storehouse —Aug. 18, by U. S. Veterans Bureau, Wash., D. C., nurses quarters and storehouse at Mt. Alto, U. S. Veterans Hospital 32.

Fla., Jacksonville — Dredge Tenders — Sept. 8, by U. S. Engineer Office, 2 motor dredge tenders; adv. E. N.-R. Aug. 14.

Ill., Great Lakes—Trestle, Spec. 5007—Aug. 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., replacing railroad trestle, at Naval Training Station here. Noted July 24.

Minn., Duluth—Rip Rap—Aug. 25, by U. S. Engineer Office, War Dept., Wash., D. C., removing timber superstructure of pier and furnishing and placing riprap along breakwater upper entrance of Keweenaw Waterway, Mich.

H. T., Pearl Harbor—Water Discharge Loop—Oct. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., circulating water discharge loop, here. Noted July 24.

Federal Government Work (Continued)

CONTRACTS AWARDED

Mass., Nantucket—Dredging—U. S. Engineers, dredging in channel at entrance of Nantucket Harbor, to Gerrish Dredging & Contg. Oo., 101 Tremont St., Boston, $0.53 per cu.yd. Noted Aug. 7.

N. Y., Brooklyn—Boilers, Spec. 5005—Bureau Yards & Docks, Navy Dept., Wash., D. C., removal and preparation for shipment of boilers at Navy Supply Depot, here, to Fort Dodge Boiler Wks., 311 2nd Ave., South Fort Dodge, Ia., $3,765 (45 days).

Ky., Louisville—Hydrated Lime—U. S. Engineer, P. O. Box 72, furnishing 750 tons hydrated lime for Dams 44, 45 and 46, Ohio River, to Louisville Cement Co., Speed Bldg., $11.20 per ton. Noted June 26.

Ky., Louisville—Steel, etc.—U. S. Engineer P. O. Box 72, furnishing 212 tons structural steel, to Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis., $22,118; 30 tons steel forgings for Dams 49 and 50, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $3,465. Noted June 26.

Ky., Owensboro—Lumber—U. S. Engineer Office, P. O. Box 72, 310,000 ft. yellow pine, common and better, to J. G. Greer, Citizens Natl. Bank Bldg., Evansville, Ind., $32.50 per M ft.

Ark., Little Rock — Post Office — U. S. Post Office Dept., branch post office, Pulaski Heights, here, to M. M. Bush & Bro., Little Rock, $15,000.

Calif., Point St. George—Radio Station—Spec. 4952—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio station, here, to A. Pope, 4722 15th St., N. W., Wash., D. C., $29,500 (135 days). Noted July 17.

H. T., Pearl Harbor—Storehouse—Spec. 4975—Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse, etc., to Walker & Olung, 820 Lower Piikoi St., Honolulu, $78,132 (230 days). Noted Aug. 7.

Unclassified

PROPOSED WORK

Gas Lines — New Orleans, La. — State Legislature authorized Sewerage and Water Bd. to make surveys for bringing natural gas to city. Cost to be borne by New Orleans Gas Light Co.

Ornamental Street Lighting System — West Allis, Wis.—M. Henika, city clk., soon takes bids ornamental street lighting system on Greenfield and National Aves. $30,000. A. J. Sweet, 531 Grand Ave., Milwaukee, engr.

Steam Heating—Owatonna, Minn.—Rejected bids for steam heating system in business district. Will readvertise. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., engr.

Bandstand—St. Louis, Mo.—Soon takes bids white marble and concrete bandstand, 30 ft. high, 40 ft. diam., in Forest Park. $50,000.

Pipeline—Texas—B. De Graffe (owner and engr.) and associates, Laredo, making plans natural gas pipeline from Webb Co. oil fields to various towns in Rio Grande Valley for domestic and industrial fuel. $5,000,000.

Dock — Beaumont, Tex.—Plans election to vote on $500.000 bonds dock improvements. W. L. Fulweiler, city engr.

Tanks — Big Sandy, Tex. — Magnolia Letroleum Co., Magnolia Bldg., Dallas, plans steel oil storage tanks. $25,000. Private plans.

Swimming Pool—Dallas, Tex.—J. E. Pearce, Fair Park, plans 100 x 200 ft. swimming pool. $500,000 plus. Engineer not announced.

Ornamental Lighting Systems—Dallas, Tex. — Made plans ornamental lighting systems in Akard, Ervay, Harwood, Live Oak, Elm, Lamar and Young Sts. $60,000. E. A. Kingsley, city engr. L. Mitchell, Southwest General Electric Int. Bldg., engr.

Athletic Field—Ft. Worth, Tex.—Texas Christian University, making plans athletic field with steel stands for immediate construction. $25,000. Baker & Von Zuben, Ellison Bldg., engrs.

Flood Protection—San Antonio, Tex.—Plans election in Fall to vote on bonds flood protection work. I. Ewig, city engr.

Street Lighting—Culver City, Calif.—Plans street lighting system in Main St. between Washington Blvd. and Southern Pacific R.R. tracks. To exceed $25,000.

Swimming Tank—Fullerton, Calif.—Fullerton Union High School Dist. having plans prepared by C. M. Winslow, Van Nuys Bldg., Los Angeles, 50 x 100 ft., rein.-con. swimming pool, 3½ to 9½ ft. deep, incl. filtration system, water heaters, pumping plant, etc.

Ornamental Street Lighting System — Glendale, Calif.—See "Streets and Roads."

Skating Pavilion — Hollywood, Calif.—Owner represented by C. S. Hopkins, c/o J. M. Cooper, archt., Marsh-Strong Bldg., Los Angeles, had preliminary plans prepared 1 story and balcony, approximately 80x200 ft., probably brick.

Subway—Martinez, Calif.—R. R. Arnold, surv. Contra Costa Co., making plans subway at Atchison, Topeka & Santa Fe R.R. (Christie Crossing) in Franklin Canyon. $70,000. R. B. Ball, 6th and Main Sts., Los Angeles, ch. engr. Cost to be borne by county and railroad.

Underground Conduit, etc. — Oakland, Calif.—Plans underground conduit and connections, incl. 206 standards 37½ ft. high with single bowl globe, for Lake Merritt lighting system. $22,500. W. W. Harmon, city engr.

Heating and Ventilating System—Stockton, Calif.—See "Buildings—Commercial."

Wharf Repairs and Harbor Improvements—Canada—See "Excavation, Drainage & Irrigation."

Pier, Breakwater, etc., Nova Scotia—Dept. Pub. Wks., Ottawa, Ont., soon takes bids pier at Dartmouth, $120,000, breakwater at Port Grenville, $40,000, dredging at Lunenburg $51,000, at North Ingonish, $34,700, at Yarmouth, $22,000.

Wharf—Caraquet, N. B. — Dept. Pub. Wks., Ottawa, Ont., soon takes bids wharf here. $27.500.

Pier—St. John, N. B.—Imperial Oil Co. having plans prepared timber pier for docking oil tankers, barges, etc. $200,000.

Wharf — Grondines, Que. — Dept. Pub. Wks., Ottawa, Ont., made plans concrete addition to wharf, here. $40,000. K. M. Cameron, ch. engr.

Cribwork and Wall—Roberval, Que.—Dept. Pub. Wks., Ottawa, Ont., plans cribwork and concrete wall, here. $30,000. K. M. Cameroh, Ottawa ch. engr.

Oil Pipe Line—Ontario—Mulberry Creek Oil Co., Spry (via Wiarton), plans 30 mi. line from Spry to Southampton, and equip refinery at Southampton. $300,000. Private plans.

Wharf—Midland, Ont.—Dept. Pub. Wks., Parliament Bldgs., Ottawa, having plans prepared reconstructing wood pile and timber wharf, here. $30,000. K. M. Cameron, ch. engr.

Drilling—Pelee Island, Ont.—C. Avonez, Stuart Farm, plans drilling for oil in various parts of island. $50,000.

BIDS DESIRED

Lighting System and Retaining Wall—Aurora, Ill.—See "Bridges."

Ornamental Street Lighting System—West Allis, Wis.—Aug. 18, by Bd. Pub. Wks., A. Wichner, supt., concrete posts, brackets, lamps, cables, etc., on Greenfield and National Aves. $30,000. A. J. Sweet, 531 Grand Ave., Milwaukee, engr.

Retaining Wall and Boat Landing—Forest Park (Pierce City, P. O.), Mo.—Sept. 9 by Pub. Wks., 208 City Hall, St. Louis, rein.-con. retaining wall and boat landing for Grand Basin, foot of Art Hill, here, $30,000. E. R. Kingsley, 208 City Hall, St. Louis, engr.

Drag Line Excavator—Dallas, Tex.—W. T. Strong, Box 702, in market for drag line excavator.

Grand Stand and Athletic Field—Ennis, Tex.—Aug. 19, by City Comn., steel and concrete grand stand and athletic field. $25,000. H. McCauless, city engr.

Grandstand — Ft. Worth, Tex. — Texas Christian University, E. M. Waites, pres., taking bids 2 concrete and steel grandstands, 7,500 seating capacity, $37,000. Baker & Von Zuben, Ellison Bldg., engrs.

Hydro-Electric Development — Riverside Wash.—Aug. 23, by J. B. Williams, secy. Riverside Irrigation Dist. for hydro-electric power plant concrete and steel, incl. concrete dam, and 15 mi. transmission lines. $250,000. Miller Eng. Co., 605 Burke Bldg., Seattle, engrs.

Street Lighting System—Los Angeles, Calif.—Bd. Pub. Wks. taking bids 136 pressed steel standards on Vermont Ave. between Hollywood Blvd. and Middlebury St.; 65 pressed steel standards on 1st St. between Soto and Boyle Aves.; 84 pressed steel standards on Cahuenga Ave. between Highland and Hollywood Blvd.; 61 concrete standards on Atwater St. between Silver Lake and Glendale Blvds.; 68 pressed steel standards on Grand Ave. between Temple and 5th Sts.; 60 concrete standards on Broad Ave. between Anaheim and B Sts. To exceed $25,000 each.

Breakwater—Oshawa, Ont.—Aug. 28, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, constructing breakwater, here. $50,000.

Insulators—Melbourne Victoria, Australia—Oct. 20, by R. Liddelow, secy. State Electricity Comn. of Victoria, 22,000 volt insulators, Spec. 24/68, for Morwell Power Scheme; adv. E. N.-R. Aug. 14.

BIDS RECEIVED

Pier—Detroit, Mich.—Dept. Pub. Wks., removing stone piers of old Belle Isle Bridge and remainder of temporary bridge, from LaBeau Wrecking Co., 2015 Highland Ave., $64.900.

Sea Wall — Seattle, Wash. — Bd. Pub. Wks., seawall on Alki Ave., 2,000 cu.yd. excav., from Pearson & Co., Mutual Life Bldg., $13.75 per cu.yd. Engrs. est. $25,000.

CONTRACTS AWARDED

Heating and Plumbing — New York, N. Y.—See "Buildings Commercial."

Jetty—Avon, N. J.—Commerce & Navigation Dept., Trenton, removing old jetty and building new one at Shark River Inlet, here, to T. Proctor, 212 North 5th Ave., Long Branch $44,130.

Track Elevation—Phila., Pa.—Work appurtenant to South Phila. track elevation, to J. Meehan & Son, 916 West Dakota St., $151,316. Noted Aug. 7.

Veledrome—Charlotte, N. C.—Charlotte Speedway, Inc., C. L. Etheredge, pres., 219 West 4th St., 1¼ mi. circular automobile speedway, to Prince Speedway Constr. Co., Oakland, Calif., $200,000.

Heating and Plumbing—Des Moines, Ia.—See "Buildings—Commercial."

Street Lighting, Power Plant, etc. — Owatonna, Minn.—Electric distribution system, street lighting system and power plant, to Donovan Constr. Co., 417 Commercial Bldg., St. Paul, $263,000.

Wharf, etc. — Houston, Tex. — Armour Packing Co., Ship Channel, 40 x 50 ft. timber wharf, 115 ft. steel sheet piling bulkhead, and 300 ft. timber bulkhead, to Jefferson Constr. Co., Canal St., New Orleans, La. $25,000. Noted July 3.

Steps—Balustrades, etc.—Oklahoma City, Okla.—State Bd. Affairs, new granite steps, balustrades, floors, etc., for State Capitol Bldg., to Kreipke-Shaffer Co., Herskowitz Bldg., $85,242. Engrs. est. $90,000. Noted under Buildings — Commercial, Jan. 17.

Cemetery Entrance Way — Burbank, Calif.—Osborn Fitzpatrick Finance Corp. (representing owner), rein.-con. and steel, 50 x 50 ft., cemetery entrance way, incl. offices, rest rooms, comfort stations and workshops, 75 ft. high, to R. H. Whibery, Grosse Bldg., Los Angeles, $152,000.

Retaining Wall—Long Beach, Calif.—rein.-con. retaining wall on Allen St. between 39th Pl. and Termino Ave., to B. W. Hicks, 2364 Atlantic St., $28,844.

Street Lighting System — Los Angeles, Calif.—Street lighting system in Washington St. between 8th Ave. and Rimpau Blvd., also Washington St. between Vermont Ave. and Hobart St., to H. H. Walker, 1800 West 12th St., $36,930 and $30,484 respectively; in Vermont Ave. between Middleburg and San Marino Sts., to J. G. Rendler, Inc., 625 South Main St., $82,666; in Vermont Ave. between Washington and 58th Sts., to Osborn Electric Co., 450 California Terrace, Pasadena, $176,298.

Material and Equipment

PROPOSED WORK

Tanks — Ft. Worth, Tex. — Pierce Oil Corp,. W. T. Waggoner Bldg., plans oil tanks, steel, at Fostepco Heights. $25,000. Private plans.

BIDS DESIRED

Derrick — Boston, Mass. — Plymouth Quarries, Inc., 755 Boylston St., Boston, in market for 10 to 15 ton derrick, 70 to 75 ft. mast and 65 to 70 ft. boom.

Trucks—St. George, N. Y.—Aug. 18, by J. A. Lynch, pres. Richmond Boro., Boro Hall, 2 trucks with snow plow attachments.

Steam Shovel—Fremont, O.—R. L. Jones in market for one small steam shovel.

Ill., Rockford—Aug. 19, by Clerk Winnebago Co., bridge over Blackhawk River in Cherry Valley Twp. A. R. Carter, Rockford, supt.

Crushed Rock, Sand, etc.—Minneapolis, Minn.—Aug. 18, by F. S. Gram, purch. agt., 5,700 crushed rock or gravel, 4,750 cu.yd. sand. N. W. Elsberg, city engr.

Stone Crusher—Dubuque, Ia.—Dubuque Stone Products Co., in market for No. 5 and No. 8 stone crushers, fertilizer grinders. J. T. Mulgrew, purch. agt.

Stone Crushers—Vaudreuil, Que.—A. DeLevy McDonald, in market for 3 stone crushers and engine.

Loading Galleries, etc.—Vancouver, B. C.—Aug. 18, by Harbor Comrs., 525 Seymour St., steel loading galleries and conveyor equipment for No. 1 grain jetty. $220,000. W. G. Swan, c/o owner, engr.

BIDS RECEIVED

Trucks—New York, N. Y.—Dept. Purchase, City Hall, Aug. 6, furnishing motor trucks from General Motors Co., West 57th St., $369,708.

Ia., Des Moines—Polk Co., three 100 ft. span pony truss bridge over Skunk River, from Iowa Bridge Co., 1901 Eastern Blvd., $26,492.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: August 22.

Barge Canal Terminals

STATE OF NEW YORK
DEPARTMENT OF PUBLIC WORKS
BUREAU OF CANALS

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office, No. 55 Lancaster Street, Albany, N. Y., until twelve o'clock noon (daylight saving time), of Friday, August 22, 1924, at which place and hour they will be publicly opened and read, for the construction of barge canal terminals, pursuant to the provisions of Chapter 746, Laws of 1911, and amendatory laws, as follows:

TERMINAL CONTRACT No. 96

For paving the terminal site, constructing a crane track, and details incidental thereto at Mechanicville, N. Y.

Contract plans, sheets 1 and 2.

And for the construction of Barge Canal terminals, pursuant to provisions of Chapter 746, Laws of 1911, and Amendatory Laws, Chapter 698, Laws of 1920, Chapter 176, Laws of 1921, as follows:

TERMINAL CONTRACT No. 234—REVISED

For constructing an administration building and an oil house for the grain elevator at Gowanus Bay, Borough of Brooklyn, New York City.

Contract plans, sheets 1 to 8 inclusive.

TERMINAL CONTRACT No. 234-H

For installing a heating system in the Administration Building for the Grain Elevator at Gowanus Bay, Borough of Brooklyn, New York City.

Contract plans, sheets 1 and 2.

TERMINAL CONTRACT No. 234-P

For installing a plumbing system in the Administration Building for the grain elevator at Gowanus Bay, Borough of Brooklyn, New York City.

Contract plans, sheets 1 and 2.

Plans may be seen, and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Bureau of Canals, Albany, N. Y.; at the office of the Division Engineer, Department of Public Works, at Utica, Syracuse, Rochester and Buffalo; and at the Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank (or trust company in the case of terminal contract), in good credit, within the State and payable at sight to the Commissioner of Canals and Waterways for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Commissioner of Canals and Waterways.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Commissioner of Canals and Waterways which sum shall not be less than fifty per centum (50 per cent) of the estimated cost of the work. according to the contract price, and an additional bond known as the labor bond in the sum of ten percentum (10 per cent) of the amount of the estimated cost of the work, according to the contract price will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Bureau of Canals. State Department of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Commissioner of Canals and Waterways of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject any or all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interest of the state will be enhanced thereby.

ROYAL K. FULLER.
Commissioner of Canals and Waterways.

Bids: Sept. 4.

Paving, Curbing and Storm Sewers

Mobile, Ala.

Sealed bids will be received by the Board of City Commissioners of the City of Mobile, Alabama, until Thursday, September 4th, at noon, for the following:

Street Paving and Curbing.

Approximately 26,300 square yards of Warrenite Bitulithic or Sheet Asphalt.

Approximately 11,400 Linear Ft. of One Course Concrete Curbing.

Storm Sewers.

6 inch pipe—5,000 Ft.
10 inch pipe—2,200 Ft.
12 inch pipe—1,200 Ft.
15 inch pipe—1,400 Ft.
18 inch pipe—2,300 Ft.
20 inch pipe— 900 Ft.
24 inch pipe— 600 Ft.
Marholes 20
Inlets 65
Special Basins..80

Plans, profiles and specifications can be seen at the City Engineers Office. A deposit of $1,000 will be required to accompany each bid. The right is reserved to reject any or all bids.

GEO. E. CRAWFORD,
Commissioner of Streets.
WRIGHT SMITH,
City Engineer.

Bids: August 19.

Concrete Curbs and Gutters

Sea Cliff, N. Y.

Sealed proposals will be received by the Village Board of the Village of Sea Cliff, N. Y., until seven o'cock, Standard Time, in the afternoon of August 19, 1924, at the Village Hall, for the construction of approximately 50,000 lineal feet of concrete curb and gutter and other work appurtenant thereto.

Notice to bidders, form of proposal plans, specifications, bond and contract can be seen at the office of the Village Clerk. Copies of the same may be secured from the engineer, Weston E. Fuller, at Swarthmore, Pa., or at the office of the Village Clerk, upon payment of fifteen dollars, which amount will be refunded to bona fide bidders upon return of the plans and specifications if returned in good condition within 10 days after the opening of bids.

The proposal for said work shall be accompanied by a certified check drawn upon a State or National Bank for one thousand dollars ($1,000.00) payable to the order of the Village of Sea Cliff.

The checks deposited by the unsuccessful bidders will be returned by the Board within ten days after the opening of the bids.

The amount of the check deposited by the successful bidder shall be forfeited in the event that said bidder shall fail, within the time set forth, to execute the contract and deliver the bond as required.

A bond in the sum of $20,000 shall be executed by the party to whom the contract is awarded with an incorporated surety company duly authorized to execute the same.

The Village Board reserves the right to reject any or all of the bids or to accept any bid deemed by the Board for the best interest of the Village.

Dated: Sea Cliff, N. Y., August 4, 1924.
By order of the Village Board.
FRED H. MAIDMENT,
President.
RUTH H. BRANTHWAITE,
Village Clerk.

Bids: Sept. 4.

Water Supply Pipe Line

St. Johnsville, N. Y.

Sealed proposals will be received at the Village office, until 7:30 P.M. (daylight saving time) of September 4th, 1924, for the following work:

Division I: Furnishing 1,000 tons of 8 in. cast iron pipe.
  Furnishing 135 tons of 6 in. cast iron pipe.
Division II: Collecting works at Springs.
  Hauling and laying 40,000 ft. 8 in. cast iron pipe.
  Hauling and laying 8,000 ft. 6 in. cast iron pipe.

Plans and specifications may be obtained at the village office, St. Johnsville, N. Y., or at the office of James P. Wells, Hydraulic Engineer, Cutler Building, Rochester, N. Y., upon a deposit of $10.00, which will be refunded upon the return of the plans and specifications.

Each proposal must be accompanied by a certified check for 5 per cent of the amount bid, payable to the President of the Municipal Commission of the Village of St. Johnsville, N. Y.

The village reserves the right to reject any or all bids.